

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 20:16:11 ; Search time 68.616 Seconds
(without alignments)
6439.084 Million cell updates/sec

Title: US-09-981-353-24

Perfect score: 1001
Sequence: 1 atgattacgattcagctc.....gtgacaaagccagcaaa 1001

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NM:
1: /cgn2_6/ptodata/2/ina/5A COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B COMB.seq:*
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5: /cgn2_6/ptodata/2/ina/PCBUS COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed.
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	545.8	54.5	560	US-08-469-667-10	Sequence 10, Appl
2	545.8	54.5	560	US-09-224-110-10	Sequence 10, Appl
3	545.8	54.5	560	PCT-US95-07289-10	Sequence 10, Appl
4	352.4	35.2	4069	US-09-170-496D-287	Sequence 287, App
5	352.4	35.2	4069	US-09-170-496D-288	Sequence 288, App
6	352.4	35.2	5925	US-09-315-926A-78	Sequence 78, Appl
7	352.2	35.2	3789	US-09-075-019-8	Sequence 8, Appl
8	352.2	35.2	3983	US-09-481-049-1	Sequence 1, Appl
9	351.8	35.1	4824	US-08-485-139-5	Sequence 5, Appl
10	351.8	35.1	8710	US-08-480-882B-3	Sequence 3, Appl
11	351.8	35.1	8710	US-08-480-882B-3	Sequence 3, Appl
12	351.8	35.1	9019	US-08-480-882B-4	Sequence 4, Appl
13	351.8	35.1	9019	US-08-480-210-4	Sequence 4, Appl
14	351.8	35.1	584	US-09-702-705-639	Sequence 639, App
15	350.8	35.0	584	US-09-726-457-639	Sequence 639, App
16	350.8	35.0	738	US-08-726-462B-3	Sequence 3, Appl
17	350.8	35.0	738	US-08-726-462B-3	Sequence 3, Appl
18	350.8	35.0	738	US-09-046-203-3	Sequence 3, Appl
19	350.8	35.0	738	US-09-272-104-3	Sequence 3, Appl
20	350.8	35.0	738	US-09-272-097-3	Sequence 3, Appl
21	350.8	35.0	4118	US-09-068-821-17	Sequence 17, Appl
22	350.8	35.0	4118	US-09-068-821-18	Sequence 18, Appl
23	350.8	35.0	4283	US-08-343-401A-3	Sequence 3, Appl
24	350.8	35.0	4283	US-08-445-265A-1	Sequence 1, Appl
25	350.8	35.0	4283	US-08-990-442-1	Sequence 1, Appl
26	350.8	35.0	4283	US-09-614-178-1	Sequence 1, Appl
27	350.8	35.0	10306	US-08-716-351A-4	Sequence 4, Appl

C 28	350.8	35.0	10970	US-08-716-351A-5	Sequence 5, Appl
C 29	350.6	35.0	5692	US-09-526-993-11	Sequence 11, Appl
C 30	350.6	35.0	5737	US-09-526-993-9	Sequence 9, Appl
C 31	350.6	35.0	6157	US-09-526-993-10	Sequence 10, Appl
C 32	350.6	35.0	6202	US-09-526-993-8	Sequence 8, Appl
C 33	350.2	35.0	716	US-08-998-416-55	Sequence 55, Appl
C 34	350.2	35.0	752	US-08-976-259-108	Sequence 108, App
C 35	350.2	35.0	2961	US-08-446-935-6	Sequence 6, Appl
C 36	350.2	35.0	2973	US-09-402-266B-17	Sequence 17, Appl
C 37	350.2	35.0	3699	US-08-646-538-6	Sequence 6, Appl
C 38	350.2	35.0	3699	US-09-503-222-6	Sequence 6, Appl
C 39	350.2	35.0	3956	US-09-402-266B-21	Sequence 21, Appl
C 40	350.2	35.0	3988	US-09-358-856C-12	Sequence 12, Appl
C 41	350.2	35.0	4088	US-09-402-266B-18	Sequence 18, Appl
C 42	350.2	35.0	4102	US-09-402-266B-20	Sequence 20, Appl
C 43	350.2	35.0	4145	US-08-651-472-62	Sequence 62, Appl
C 44	350.2	35.0	4145	US-08-358-928-62	Sequence 62, Appl
C 45	350.2	35.0	4277	US-08-651-472-63	Sequence 63, Appl

ALIGNMENTS

RESULT 1
US-08-469-667-10
Sequence 10, Application US/08469667
Patent No. 5733748
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Iiang
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Giffillan, Cecchi,
ADDRESSER: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,667
FILING DATE: 06-JUN-1995
CLASSIFICATION: 516
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 560 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2..490
FEATURE:
NAME/KEY: mat.peptide
LOCATION: 2..490
US-08-469-667-10
Query Match 54.5%; Score 545.8; DB 1; Length 560;
Best Local Similarity 99.5%; Pred. No. 3.5e-154;

Matches 558; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 42 AGTGGCTCTCTACCCCTTCTCTGTGCTCAGCCTCTGCGCAATCCATTGAGGCAAGTGC 101
DB 1 AGTGGCTCTCTACCCCTTCTCTGTGCTCAGCCTCTGCGCAATCCATTGAGGCAAGTGC 60

QY 102 TTCCTCTATAGTGAAGATGAGAGGTGTGTGAAGGATTTCTCTATCTGCGCA 161
DB 61 TTCCTCTATAGTGAAGATGAGAGGTGTGTGAAGGATTTCTCTATCTGCGCA 120

QY 162 CCAATTGAGCGGCCCAATCAACCGCCTCCGGGTCGAGTCAACATATACATCGTAGG 221
DB 121 CCAATTGAGCGGCCCAATCAACCGCCTCCGGGTCGAGTCAACATATACATCGTAGG 180

QY 222 TCTTCAAGTGGCTATGAGCAAGGTGTGAGGAGTATGTGGGTGTGCGCAACGAGACT 281
DB 181 TCTTCAAGTGGCTATGAGCAAGGTGTGAGGAGTATGTGGGTGTGCGCAACGAGACT 240

QY 282 GAGAGAGATCTTTTGACACCCCTGGGGAATCAGTATCAGGTTCTGGGAAGTACAAGT 341
DB 241 GAGAGAGATCTTTTGACACCCCTGGGGAATCAGTATCAGGTTCTGGGAAGTACAAGT 300

QY 342 GATCTGAGAGAGTGTGATTTGTGACAGCAAGGCGCTATCTGTCTTTTGGAAAGA 401
DB 301 GATCTGAGAGAGTGTGATTTGTGACAGCAAGGCGCTATCTGTCTTTTGGAAAGA 360

QY 402 CAGTGGCAAGATTGATGAGCGCTCCCTTGCACCCCAACACCGTCTCCGCTTCAATAG 461
DB 361 CAGTGGCAAGATTGATGAGCGCTCCCTTGCACCCCAACACCGTCTCCGCTTCAATAG 420

QY 462 TGGCCGGTGTGTTCTGATCGATGAGCATTTGGCTGAGGAGTGTAAACCCACTAG 521
DB 421 TGGCCGGTGTGTTCTGATCGATGAGCATTTGGCTGAGGAGTGTAAACCCACTAG 480

QY 522 CTGACAGAGATGCTGAGCCTCTCTCTTGTGCAAGGCACTGTGATGAGAGTAAAGT 581
DB 481 CTGACAGAGATGCTGAGCCTCTCTCTTGTGCAAGGCACTGTGATGAGAGTAAAGT 540

QY 582 CCCTTATCACTAACCCCATC 602
DB 541 -CCTTATCACTAACCCCATC 560

RESULT 2
US-09-224-110-10
Sequence 10, Application US/09224110
Patent No. 6337195
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSES: Carella, Byrne, Bain, Giffillan, Cecchi,
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/224,110
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/469,667
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:

NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 560 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2..490
NAME/KEY: mat_peptide
LOCATION: 2..490
US-09-224-110-10

Query Match 54.5%; Score 545.8; DB 4; Length 560;
Best Local Similarity 99.5%; Pred. No. 3.5e-154;
Matches 558; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 42 AGTGGCTCTCTACCCCTTCTCTGTGCTCAGCCTCTGCGCAATCCATTGAGGCAAGTGC 101
DB 1 AGTGGCTCTCTACCCCTTCTCTGTGCTCAGCCTCTGCGCAATCCATTGAGGCAAGTGC 60

QY 102 TTCCTCTATAGTGAAGATGAGAGGTGTGTGAAGGATTTCTCTATCTGCGCA 161
DB 61 TTCCTCTATAGTGAAGATGAGAGGTGTGTGAAGGATTTCTCTATCTGCGCA 120

QY 162 CCAATTGAGCGGCCCAATCAACCGCCTCCGGGTCGAGTCAACATATACATCGTAGG 221
DB 121 CCAATTGAGCGGCCCAATCAACCGCCTCCGGGTCGAGTCAACATATACATCGTAGG 180

QY 222 TCTTCAAGTGGCTATGAGCAAGGTGTGAGGAGTATGTGGGTGTGCGCAACGAGACT 281
DB 181 TCTTCAAGTGGCTATGAGCAAGGTGTGAGGAGTATGTGGGTGTGCGCAACGAGACT 240

QY 282 GAGAGAGATCTTTTGACACCCCTGGGGAATCAGTATCAGGTTCTGGGAAGTACAAGT 341
DB 241 GAGAGAGATCTTTTGACACCCCTGGGGAATCAGTATCAGGTTCTGGGAAGTACAAGT 300

QY 342 GATCTGAGAGAGTGTGATTTGTGACAGCAAGGCGCTATCTGTCTTTTGGAAAGA 401
DB 301 GATCTGAGAGAGTGTGATTTGTGACAGCAAGGCGCTATCTGTCTTTTGGAAAGA 360

QY 402 CAGTGGCAAGATTGATGAGCGCTCCCTTGCACCCCAACACCGTCTCCGCTTCAATAG 461
DB 361 CAGTGGCAAGATTGATGAGCGCTCCCTTGCACCCCAACACCGTCTCCGCTTCAATAG 420

QY 462 TGGCCGGTGTGTTCTGATCGATGAGCATTTGGCTGAGGAGTGTAAACCCACTAG 521
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QY 522 CTGACAGAGATGCTGAGCCTCTCTCTTGTGCAAGGCACTGTGATGAGAGTAAAGT 581
DB 481 CTGACAGAGATGCTGAGCCTCTCTCTTGTGCAAGGCACTGTGATGAGAGTAAAGT 540

QY 582 CCCTTATCACTAACCCCATC 602
DB 541 -CCTTATCACTAACCCCATC 560

RESULT 3
PCT-US95-07289-10
Sequence 10, Application PC/TUS9507289
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins

Db 421 TGGCCGGTCTGGTCTCTCATCGATGCCATTGGCCCTGCACCTGGGATGTTTACCCTACTAG 480

QY 522 CTGCAGCAGATGCTGAGCCTCTCTCTTTGGCAGGGGCACTGTATGAGAGTAAGAACT 581

Db 481 CTGCAGCAGATGCTGAGCCTCTCTCTTTGGCAGGGGCACTGTATGAGAGTAAGAACT 540

QY 582 CCCATTATCACTTAACCCCAATC 602

Db 541 -CCTTATCACTTAACCCCAATC 560

RESULT 4

US-09-170-496D-287

Sequence 287, Application US/09170496D

Patent No. 6555339

GENERAL INFORMATION:

APPLICANT: Behan, Dominic P.

APPLICANT: Chalmers, Derek T.

APPLICANT: Liaw, Chen W.

TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-C

TITLE OF INVENTION: Receptors

FILE REFERENCE: AREN-0040

CURRENT APPLICATION NUMBER: US/09/170,496D

CURRENT FILING DATE: 1998-10-13

NUMBER OF SEQ ID NOS: 294

SOFTWARE: PatentIn version 3.1

SEQ ID NO 287

LENGTH: 4069

TYPE: DNA

ORGANISM: Homo sapiens

US-09-170-496D-287

Query Match 35.2%; Score 352.4; DB 4; Length 4069;

Best Local Similarity 88.8%; Pred. No. 9,4e-96;

Matches 356; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 601 TCCTCAATGANNNTCTGTGTGAAA 660

Db 1299 TGCAAAAGCTCCCTCGAGAGCTTGCGCTAATCATGTGCTAGCTGTTCTCTGTGAAA 1358

QY 661 TTGTTATCCGCTCAACATTTCCACACACATATAGAGCCGGAAGATTAAGTAAAGCTG 720

Db 1359 TTGTTATCCGCTCAACATTTCCACACACATATAGAGCCGGAAGATTAAGTAAAGCTG 1418

QY 721 GGGTGCCCTAATGATGAGTAACTACATTAATTTGGTGGCTGCTCACTGCGCCCTTTCCA 780

Db 1419 GGGTGCCCTAATGATGAGTAACTACATTAATTTGGTGGCTGCTCACTGCGCCCTTTCCA 1478

QY 781 GTCGAGAAACCTGTCTGTCGACAGCTGCATTAATGAATTCGCGCAACGCGCGGAGAGAGCGG 840

Db 1479 GTCGAGAAACCTGTCTGTCGACAGCTGCATTAATGAATTCGCGCAACGCGCGGAGAGAGCGG 1538

QY 841 TTTCGCGTATTTGGGCGCTCTTCGCGCTTCTGCTGCTCACTGACTGCTGCGCTCGGTGTTGG 900

Db 1539 TTTCGCGTATTTGGGCGCTCTTCGCGCTTCTGCTGCTGCTGCTGCTGCGCTCGGTGTTGG 1598

QY 901 GCTGCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTATATACGGTTATTCACAGAAATCAGG 960

Db 1599 GCTGCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTATATACGGTTATTCACAGAAATCAGG 1658

QY 961 GGGATACGCGAGAAAGAAATGTGTAGCAAAAGGCCAGCAAA 1001

Db 1659 GGGATACGCGAGAAAGAAATGTGTAGCAAAAGGCCAGCAAA 1699

RESULT 5

US-09-170-496D-288/c

Sequence 288, Application US/09170496D

Patent No. 6555339

GENERAL INFORMATION:

APPLICANT: Behan, Dominic P.

APPLICANT: Chalmers, Derek T.

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? ORGANISM: Artificial Sequence
? FEATURE:
? NAME/KEY: misc feature
? OTHER INFORMATION: Description of Artificial Sequence: phage
? NAME/KEY: primer_bind

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TYPE: nuclei

RESULT 7
 US-09-075-019-8
 Sequence 8, Application US/09075019
 Patent No. 6190658
 GENERAL INFORMATION:
 APPLICANT: UTC IR459
 TITLE OF INVENTION: A GENETICALLY MODIFIED MANGANESE
 TITLE OF INVENTION: SUPEROXIDE DISMUTASE FOR TREATING OXIDATIVE DAMAGE
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sheridan Rose P.C.
 STREET: 1700 Lincoln St., Suite 3500
 CITY: Denver
 STATE: CO
 COUNTRY: USA
 ZIP: 80203
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/075.019
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Kovarik, Joseph E.
 REGISTRATION NUMBER: 33,005
 REFERENCE/DOCKET NUMBER: 2248-22
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (303) 863-9700
 TELEFAX: (303) 863-0223
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3789 base pairs
 TYPE: nucleic acid


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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-09-075-019-8

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Query Match	35.2%;	Score 352.2;	DB 3;	Length 3789;
Best Local Similarity	88.4%;	Pred. No. 1e-95;		
Matches 357;	Conservative 0;	Mismatches 47;	Indels 0;	Gaps 0;

[illegible]

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RESULT 8
US-09-481-049-1
; Sequence 1, Application US/09481049
; Patent No. 6395485
; GENERAL INFORMATION:
; APPLICANT: DE BEUCKELAER, Marc
; TITLE OF INVENTION: METHODS FOR IDENTIFYING ELITE EVENT GAT-ZM1 IN
; FILE OF INVENTION: BIOLOGICAL SAMPLES
; FILE REFERENCE: 514412-2025
; CURRENT APPLICATION NUMBER: US/09/481,049
; CURRENT FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 3983
; TYPE: DNA
; ORGANISM: Zea mays
; US-09-481-049-1

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QY	775	TTCTCAGTCGGGAAAACCTGTCGTCGTCGACGCTGCATTATTAATTCGGCCACGCGCGGGGAG	834
Db	1300	TTTTCAGTCGGGAAAACCTGTGTGTCCAGCTGCATTATTAATTCGGCCACGCGCGGGGAG	1955
QY	835	AGGCGGATTTCGTAATTGAGGCGCTCTTCGCGTCTCTCGCTCACTGACTGCGCTCGGT	894
Db	1960	AGGCGGATTTCGTAATTGAGGCGCTCTTCGCGTCTCTCGCTCACTGACTGCGCTCGGT	2015
QY	895	CGTTCGCGCTGCGGCGGACGCGTATCACTCACTCAAAAGCGGTAAATCGGTTATTCACAGA	954
Db	2020	CGTTCGCGCTGCGGCGGACGCGTATCACTCACTCAAAAGCGGTAAATCGGTTATTCACAGA	2075
QY	955	ATCAGGGGGAATACGACGAAAGAACTATGTGACAAAGGCGACGAAA	1001
Db	2080	ATCAGGGGGAATACGACGAAAGAACTATGTGACAAAGGCGACGAAA	2126

RESULT 9
 US-08-485-139-5
 : Sequence 5, Application US/08485139
 : Patent No. 5880331
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 : GENERAL INFORMATION:
 : APPLICANT: KREBBERS, Emno
 : APPLICANT: WILLIAMS, Mark
 : APPLICANT: LIEHMANS, Jan
 : TITLE OF INVENTION: USE OF ANTHOCYANIN GENES TO MAINTAIN
 : TITLE OF INVENTION: MALE STERILE PLANTS
 : NUMBER OF SEQUENCES: 6
 :
 : CORRESPONDENCE ADDRESS:
 : ADDRESSER: Burns, Doane, Swecker & Mathis
 : STREET: P.O. Box 1404
 : CITY: Alexandria
 : STATE: Virginia
 : COUNTRY: United States
 : ZIP: 22313-1404
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patentin Release #1.0, Version #1.25
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/485,139
 : FILING DATE: 07-JUN-1995
 : CLASSIFICATION: 800
 : ATTORNEY/AGENT INFORMATION:
 : NAME: McGowan, Malcolm K.
 : REGISTRATION NUMBER: 39,300
 : REFERENCE/DOCKET NUMBER: 010830-0956
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (703) 836-6620
 : TELEFAX: (703) 836-2021
 : INFORMATION FOR SEQ ID NO: 5:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 4824 base pairs
 : TYPE: nucleic acid
 : STRANDEDNESS: double
 : TOPOLOGY: circular
 : MOLECULE TYPE: DNA (genomic)
 : ORIGINAL SOURCE:
 : ORGANISM: plasmid pCOL9
 : FEATURE:
 : NAME/KEY: -
 : LOCATION: 396..401
 : OTHER INFORMATION: /label= ECORI
 : FEATURE:
 : NAME/KEY: -
 : LOCATION: 2367..2379
 : OTHER INFORMATION: /label= SfiI
 : FEATURE:
 : NAME/KEY: -
 : LOCATION: 884..888
 : OTHER INFORMATION: /label= ClaS
 : OTHER INFORMATION: /note="TGCGG (in C1) which in ClaS allele is

[illegible]

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RESULT 15
US-09-702-705-639
; Sequence 639, Application US/09702705
Patent No. 6504010
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvik, Tom
APPLICANT: Carter, Darrick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITILE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C14
CURRENT APPLICATION NUMBER: US/09/702,705
NUMBER OF SEQ ID NOS: 1833
SOFTWARE: PasteSeq for Windows Version 3.0
SEQ ID NO 639
LENGTH: 584
TYPE: DNA
ORGANISM: Homo sapien
US-09-702-705-639

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Query Match	35.0 %	Score	350.8	DB	4	Length	584
Best Local Similarity	88.5 %	Pred. NO.	1.2e-95				
Matches	355	Conservative	0	Mismatches	46	Indels	0
						Gaps	0

[illegible]

Oy	781	TTCCGGAAAACCTGTCGTCACAGCTGCATTAATGATCGGCCAACGCGCGGGAGAGCCG	840
Db	191	GTCCGGAAACCTGTCTGTCTCCACCTGCATTAATGATTCGGCCACGCGCGGGAGAGCCG	250
Oy	841	TTTTCGTAATTTGGGCGCTCTTCGCGCTTCCTCGCTCACTGACTGCGCTCGCTTCG	900
Db	251	TTTTCGTAATTTGGGCGCTCTTCGCGCTTCCTCGCTCACTGACTGCGCTCGCTTCG	310
Oy	901	GCTGCGCGAGCCGGTATCAGCTCACTCAAAGCCGGTAATACGGTTATCAACGAATCAG	960
Db	311	GCTCGCGGAGCCGGTATCAGCTCACTCAAAGCCGGTAATACGGTTATCAACGAATCAG	370
Oy	961	GGGATACGCAGAGAAAGACATGTGAGCAAAAGGCAGCAAA	1001
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Job time : 70.616 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 23:51:02 ; Search time 323.003 Seconds
(without alignments)
10299.979 Million cell updates/sec

Title: US-09-981-353-24

Perfect score: 1001
Sequence: 1 atgattacgaatcgcagcgc.....gtgagcaagaagccagcaaa 1001

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapept 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
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3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
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6: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
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15: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
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18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	962	96.1	1001	US-09-981-353-24	Sequence 24, Appl
2	583	58.2	737	US-10-235-994-17	Sequence 17, Appl
3	582	58.1	736	US-10-158-646-5	Sequence 5, Appl
4	352.8	35.2	7208	US-10-229-346-5	Sequence 287, App
5	352.4	35.2	4069	US-10-251-385-287	Sequence 288, App
6	352.4	35.2	4069	US-10-251-385-288	Sequence 78, Appl
7	352.4	35.2	5925	US-10-235-175-78	Sequence 1, Appl
8	352	35.2	3983	US-09-758-987-1	Sequence 77, Appl
9	351.8	35.1	8108	US-10-200-562-77	Sequence 77, Appl
10	351.8	35.1	8108	US-10-237-551-77	Sequence 77, Appl
11	351.8	35.1	8108	US-10-121-988-77	Sequence 77, Appl
12	350.8	35.0	584	US-09-736-457-639	Sequence 639, App
13	350.8	35.0	584	US-09-902-941-639	Sequence 639, App
14	350.8	35.0	584	US-09-849-626-639	Sequence 639, App
15	350.8	35.0	584	US-09-476-300-639	Sequence 639, App

16	350.8	35.0	584	13	US-10-113-872-639	Sequence 639, App
17	350.8	35.0	584	15	US-10-017-754-639	Sequence 639, App
18	350.8	35.0	2571	15	US-10-137-036-93	Sequence 93, Appl
19	350.8	35.0	3216	15	US-10-057-108-1	Sequence 1, Appl
20	350.8	35.0	3357	15	US-10-161-403-96	Sequence 96, Appl
21	350.8	35.0	3448	13	US-10-128-587A-6	Sequence 6, Appl
22	350.8	35.0	3448	13	US-10-128-578B-6	Sequence 6, Appl
23	350.8	35.0	3448	15	US-10-128-590-6	Sequence 6, Appl
24	350.8	35.0	4118	9	US-09-068-821-17	Sequence 17, Appl
25	350.8	35.0	4118	9	US-09-068-821-18	Sequence 18, Appl
26	350.8	35.0	4162	10	US-09-861-881-1	Sequence 1, Appl
27	350.8	35.0	4393	10	US-09-861-881-2	Sequence 2, Appl
28	350.8	35.0	6688	10	US-09-813-453A-72	Sequence 72, Appl
29	350.8	35.0	8320	10	US-09-813-453A-71	Sequence 71, Appl
30	350.6	35.0	4689	15	US-10-057-108-5	Sequence 5, Appl
31	350.6	35.0	6470	15	US-10-057-108-4	Sequence 4, Appl
32	350.6	35.0	8330	9	US-10-057-108-3	Sequence 3, Appl
33	350.2	35.0	752	9	US-09-956-004-108	Sequence 108, Appl
34	350.2	35.0	1092	10	US-09-764-868-232	Sequence 232, App
35	350.2	35.0	1092	11	US-09-764-891-1853	Sequence 1853, App
36	350.2	35.0	2074	15	US-10-106-688-350	Sequence 350, App
37	350.2	35.0	2192	15	US-10-021-403A-10	Sequence 10, Appl
38	350.2	35.0	2474	13	US-09-933-767-1231	Sequence 1231, App
39	350.2	35.0	2958	13	US-10-220-262-1	Sequence 1, Appl
40	350.2	35.0	2958	13	US-10-220-262-2	Sequence 2, Appl
41	350.2	35.0	2958	13	US-10-220-262-3	Sequence 3, Appl
42	350.2	35.0	2958	13	US-10-220-262-4	Sequence 4, Appl
43	350.2	35.0	2961	13	US-10-258-344-1	Sequence 1, Appl
44	350.2	35.0	2989	13	US-10-149-736-46	Sequence 46, Appl
45	350.2	35.0	3426	13	US-10-136-837-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-981-353-24
Sequence 24, Application US/09981353
Patent No. US20020160382A1
GENERAL INFORMATION:
APPLICANT: Lasex, Amy W.
FILE OF INVENTION: GENES EXPRESSED IN COLON CANCER
CURRENT APPLICATION NUMBER: US/09/981,353
CURRENT FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PERL Program
SEQ ID NO 24
LENGTH: 1001
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020160382A1 3220207CB1
NAME/KEY: unsure
LOCATION: 610-648
OTHER INFORMATION: a, t, c, g, or other
US-09-981-353-24

Query Match 96.1%: Score 962; DB 10; Length 1001;
Best Local Similarity 100.0%; Pred. No. 5.2e-304; Indels 0; Gaps 0;
Matches 1001; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGATTACGAATTCGAGCTCGTACCCGCCAGAAATTTACAGTCGCTCTCTAGCCCTT 60
DB 1 ATGATTACGAATTCGAGCTCGTACCCGCCAGAAATTTACAGTCGCTCTCTAGCCCTT 60
QY CTCTGTGCTCTGAGCTCTTGGCAATGCAATTCAGGCGGAGGTCTTCTCTATAGTGAGAG 120
DB CTCTGTGCTCTGAGCTCTTGGCAATGCAATTCAGGCGGAGGTCTTCTCTATAGTGAGAG 120
QY 61 CTCTGTGCTCTGAGCTCTTGGCAATGCAATTCAGGCGGAGGTCTTCTCTATAGTGAGAG 120
DB 61 CTCTGTGCTCTGAGCTCTTGGCAATGCAATTCAGGCGGAGGTCTTCTCTATAGTGAGAG 120
QY 121 TATGAGAGTGTGTGGAAAGGATTCCTCATTTCTGGCAACGATTCGACGCCCCATC 180


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Db      121 TATGAGATGATGAGGAAACGATTCCTCATTCTGGCAACGATTGAGCGGCCCATC 180
Qy      181 ACCGCCCCCGGATCCGAGTCAACATACATCTGAGTCTTCAGTCCGCTAAGGC 240
Db      181 ACCGCCCCCGGATCCGAGTCAACATACATCTGAGTCTTCAGTCCGCTAAGGC 240
Qy      241 AAGGTGAGAGCGACTATGTGGTGTGGCAACGAGAGCCTGAGAGAGATCTTCTGAC 300
Db      241 AAGGTGAGAGCGACTATGTGGTGTGGCAACGAGAGCCTGAGAGAGATCTTCTGAC 300
Qy      301 CTTGGGGAATCAGTATCCAGTTCCTGGGAAGTACAGTGTACTTGAAGAGCTGTA 360
Db      301 CTTGGGGAATCAGTATCCAGTTCCTGGGAAGTACAGTGTACTTGAAGAGCTGTA 360
Qy      361 TTTGTGACAGCAAGGCGCGCTATCTGTTTGGGAAGAAGCATGTGGCAAGATTCAAT 420
Db      361 TTTGTGACAGCAAGGCGCGCTATCTGTTTGGGAAGAAGCATGTGGCAAGATTCAAT 420
Qy      421 GCCGTCCCTTGGCAACCCCAACCGGTCTCCGCTTCATCAGTGGCGGCTGTCTCTC 480
Db      421 GCCGTCCCTTGGCAACCCCAACCGGTCTCCGCTTCATCAGTGGCGGCTGTCTCTC 480
Qy      481 ATCGATGCCATTGGCTGCACTGGGATGTTTACCCCACTAGCTGACAGATGCTGAGCC 540
Db      481 ATCGATGCCATTGGCTGCACTGGGATGTTTACCCCACTAGCTGACAGATGCTGAGCC 540
Qy      541 TCCCTCTCTTGGGAGGCGCACTGTGATGAGAGATGAACCTCCCTTATCACTAACCCCA 600
Db      541 TCCCTCTCTTGGGAGGCGCACTGTGATGAGAGATGAACCTCCCTTATCACTAACCCCA 600
Qy      601 TCCAAATGAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNT 660
Db      601 TCCAAATGAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNT 660
Qy      661 TTGTATCCGCTCAAAATTCACACAACATACGAGCGGAGCATAAAGTAAAGCTG 720
Db      661 TTGTATCCGCTCAAAATTCACACAACATACGAGCGGAGCATAAAGTAAAGCTG 720
Qy      721 GGGGCTTAATGAGTGAAGTCACTCACTTAATGAGTGGGCTGCTGCTGCTGCTGCTG 780
Db      721 GGGGCTTAATGAGTGAAGTCACTCACTTAATGAGTGGGCTGCTGCTGCTGCTGCTG 780
Qy      781 GTGGGAAACCTGCTGAGCACTGATTAATGAATGGGCAACGCGGAGAGAGGCGG 840
Db      781 GTGGGAAACCTGCTGAGCACTGATTAATGAATGGGCAACGCGGAGAGAGGCGG 840
Qy      841 TTTGCGTATGAGGCGCTTTCGCTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
Db      841 TTTGCGTATGAGGCGCTTTCGCTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
Qy      901 GCTGCGGAGAGGCTATCAGTCACTCAAAAGCGGTAATAGGTTATCCACAGATCAGG 960
Db      901 GCTGCGGAGAGGCTATCAGTCACTCAAAAGCGGTAATAGGTTATCCACAGATCAGG 960
Qy      961 GGGATACGAGAGAAAGCAATGTAGCAAAAGCCACAGAA 1001
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RESULT 2
US-10-235-994-17
; Sequence 17, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabo
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYT2012
; CURRENT APPLICATION NUMBER: US/10/235,994
; PRIOR FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01

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; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FASCSO for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 737
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-17

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Query Match      58.2%; Score 583; DB 15; Length 737;
Best Local Similarity 100.0%; Pred. No. 56-180;
Matches 583; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      27 CCCCAGAAATTTACAGTGGCTCTCTTCTAGCCCTTCTGTGCTTCTGAGCCCTTGGCAATGC 86
Db      129 CCCCAGAAATTTACAGTGGCTCTCTTCTAGCCCTTCTGTGCTTCTGAGCCCTTGGCAATGC 188
Qy      87 CATTAGGCGAGGCTTCTCTCTATAGTGAAGTGAAGTGTGGAAGCAATT 146
Db      189 CATTAGGCGAGGCTTCTCTCTATAGTGAAGTGAAGTGTGGAAGCAATT 248
Qy      147 CTCTCATTTGGCAACAGTTGAGCGGCCCATACCGCCCTCCGCTCCGAGTCAAC 206
Db      249 CTCTCATTTGGCAACAGTTGAGCGGCCCATACCGCCCTCCGAGTCAAC 308
Qy      207 ATACTACATCTGATGCTTCTTCAAGTGGCTATGAGCAAGTGTGAGCACTATGTGGGTG 266
Db      309 ATACTACATCTGATGCTTCTTCAAGTGGCTATGAGCAAGTGTGAGCACTATGTGGGTG 368
Qy      267 TCGCAACGAGAGCCTGAGAGAGATCTTCTGACCCCTGGGGAATCAAGTATCCAGGTTTC 326
Db      369 TCGCAACGAGAGCCTGAGAGAGATCTTCTGACCCCTGGGGAATCAAGTATCCAGGTTTC 428
Qy      327 TGGAAAGTACAGTGTACTTGAAGAGCTGTATTGTGACAGACAAGGCGCTATCT 386
Db      429 TGGAAAGTACAGTGTACTTGAAGAGCTGTATTGTGACAGACAAGGCGCTATCT 488
Qy      387 GTCTTTTGGAAAGAGAGGCAAGTTCATATGCCGCTCCCTTGCACCCCAACCCGT 446
Db      489 GTCTTTTGGAAAGAGAGGCAAGTTCATATGCCGCTCCCTTGCACCCCAACCCGT 548
Qy      447 GCTCCGCTTCAATGAGGCGGCTGCTGCTCTCATGATGAGCATGAGCTGAGCTGAG 506
Db      549 GCTCCGCTTCAATGAGGCGGCTGCTGCTCTCATGATGAGCATGAGCTGAGCTGAG 608
Qy      507 TGTTAACCCCACTAGCTGAGAGATGTAGGCTTCTCTTGGCAAGGCGCACTGTGA 566
Db      609 TGTTAACCCCACTAGCTGAGAGATGTAGGCTTCTCTTGGCAAGGCGCACTGTGA 668
Qy      567 TGAAGTAAAGAACTCCCTTATCACTAACCCCATCAATG 609
Db      669 TGAAGTAAAGAACTCCCTTATCACTAACCCCATCAATG 711

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RESULT 3
US-10-158-646-5
; Sequence 5, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Laeak, Amy K.W.
; APPLICANT: Sornasse, Thierly
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 736
; TYPE: DNA

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RESULT 4
US/10-229-346-5/c
? Sequence 5, Application US/10229346
? Publication No. US20030120054A1
? GENERAL INFORMATION:
? APPLICANT: Chen, Eric
? APPLICANT: Stacy, Cheryl
? TITLE OR INVENTION: Modified Cry3A Toxins
? FILE REFERENCE: 60065A
? CURRENT APPLICATION NUMBER: US/10/229,346
? PENDING FILING DATE: 2002-08-27
? PRIOR APPLICATION NUMBER: 60/316,421
? PRIOR FILING DATE: 2001-08-31
? NUMBER OF SEQ ID NOS: 38
? SOFTWARE: PatentIn version 3.0
? SEQ ID NO 5
? LENGTH: 7208
? TYPE: DNA
? ORGANISM: Artificial Sequence
? FEATURE:
? NAME/KEY: misc_feature
? OTHER INFORMATION: pc1B6650

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Qy	601	TCCAAATGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCTGTGTGA	660		
Db	1299	TGCAAAAGCTCCCTCGAGAGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAAA	1358		
Qy	661	TTGTTATCGGCTCACAATTCCACACAACATACGAGCCGGAAGCATAAAGTGTAAGCCTG	720		

Db	1359	TTGTTATCCGCTCAAAATTCACACAAACATACGAGCGGAGAGCATTAAGTGTAAAGCCTTG	1418
Qy	721	GGGAGCCATTAAGAGAGCTTACTCAATTAATTTGGCTTGCGCTCACTACCGGCTTTTCCA	780
Db	1419	GGGATCCATTAAGAGAGCTTAATCTCACTTAATATGGTGCGTCACTCCGCTTTTCCA	1478
Qy	781	GTCGGAAAACCTGTGCTGCAGCTGCATTAATGAATCGGCCAAACCGCCGGGAGAGCCGG	840
Db	1479	GTCGGGAAAACCTGTGCTGCAGCTGCATTAATGAATCGGCCAAACCGCCGGGAGAGCCGG	1538
Qy	841	TTTGCGTATTTGGGCGCCTCTTCGCGTTCCCGCTCACTGACTCGCGCGCTCGGCTGTTGG	900
Db	1539	TTTGCGTATTTGGGCGCCTCTTCGCGTTCCCGCTCACTGACTCGCGCGCTCGGCTGTTGG	1598
Qy	901	GCTGCGGCGAGCGGATATCAGCTCACTCAAAAGCGGTAATACGGTTATTCACAGAAATCAG	960
Db	1599	GCTGCGGCGAGCGGATATCAGCTCACTCAAAAGCGGTAATACGGTTATTCACAGAAATCAG	1658
Qy	961	GGGATATCGCAGGAAAAGCATGTGAGCAAAAAGGCCAGCAAA	1001
Db	1659	GGATATCGCAGGAAAAGCATGTGAGCAAAAAGGCCAGCAAA	1699

					RESULT 6	
					US-10-251-385-288/c	
					/ Sequence 288; Application US/10251385	
					/ Publication No. US20030105292A1	
					/ GENERAL INFORMATION:	
					/ APPLICANT: Behan, Dominic P.	
					/ APPLICANT: Chalmers, Derek T.	
					/ APPLICANT: Liaw, Chen W.	
					/ TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G	
					/ TITLE OF INVENTION: Protein-Coupled	
					/ TITLE OF INVENTION: Receptors	
					/ FILE REFERENCE: AREN-0040	
					/ CURRENT APPLICATION NUMBER: US/10/251,385	
					/ CURRENT FILING DATE: 2002-09-20	
					/ PRIOR APPLICATION NUMBER: US/09/170,496	
					/ PRIOR FILING DATE: 1998-10-13	
					/ NUMBER OF SEQ ID NOS: 294	
					/ SOFTWARE: PatentIn version 3.1	
					/ SEQ ID NO 288	
					/ LENGTH: 4069	
					/ TYPE: DNA	
					/ ORGANISM: Homo sapiens	
					US-10-251-385-288	
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Qy	661	TTGTTATCCGCTCACATATTCCACAACAATACGAGCCGGAACATTAAGTGTAAAGCTTG	720			
Db	2711	TTGTTATCCGCTCACAATTTCCACAACAATACGAGCCGGAACATTAAGTGTAAAGCTTG	2652			
Qy	721	GCGTGCCATAAGAGTAGCTAACTCAACTTAATTGCGTTGCGCTCACTGCCCCGTTTCCA	780			
Db	2651	GCGTGCCATAAGAGTAGCTAACTCAACTTAATTGCGTTGCGCTCACTGCCCCGTTTCCA	2592			
Qy	781	GTCGGGAACCGTGTGTCGACAGCTGATTAATGAATCGGCCAAACGGCGGGGAGAGACGG	840			
Db	2591	GTCGGGAACCGTGTGTCGACAGCTGATTAATGAATCGGCCAAACGGCGGGGAGAGACGG	2532			
Qy	841	TTTGCGATTGGGCGCTCTTCGCGTTCTCGCTCACTGACCTGCGTGCCTCGTCTTG	900			
Db	2531	TTTGCGATTGGGCGCTCTTCGCGTTCTCGCTCACTGACCTGCGTGCCTCGTCTTG	2472			
Qy	901	GCTGGGCGAGCGGTATCACTCACTCAAAGCGGTAAACGGTTATCCAAGAACTCAG	960			

Db 2471 GCTCGGGGAGCGGTATTCAGCTACTCAAGAGCGCGTAAATACGTTATCCAGAAATCAGG 2412

Gy 961 GGGATACGACGAGAAGAACATGTGAGCAAAAAGCCACAGAAA 1001

Db 2411 GGATACGCGAGAAAGAACATGTGTGAGCAAAAAGCCACAGAAA 2371

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RESULT 7
US-10-235-175-78/c
? Sequence 78, Application US/10235175
? Publication NO. US20030166287a1
? GENERAL INFORMATION:
? APPLICANT: Es van, Helmut
? APPLICANT: Havenga, Menzo
? APPLICANT: Verlinden, Stefan
? TITLE OF INVENTION: TARGETED DELIVERY THROUGH A CATIONIC AMINO ACID
? TITLE OF INVENTION: TRANSPORTER
? FILE REFERENCE: 2183-4080US
? CURRENT APPLICATION NUMBER: US/10/235,175
? CURRENT FILING DATE: 2002-09-04
? PRIOR APPLICATION NUMBER: US/09/315,926
? PRIOR FILING DATE: 1999-05-20
? PRIOR APPLICATION NUMBER: EP 99201593.3
? PRIOR FILING DATE: 1999-05-20
? PRIOR APPLICATION NUMBER: EP 98201693.3
? PRIOR FILING DATE: 1998-05-20
? NUMBER OF SEQ ID NOS: 81
? SOFTWARE: PatentIn version 3.0
? SEQ ID NO 78
? LENGTH: 5925
? TYPE: DNA
? ORGANISM: Artificial Sequence
? FEATURE:
? NAME/KEY: misc_feature
? OTHER INFORMATION: Description of Artificial Sequence: phage
? FEATURE:
? NAME/KEY: primer_bind
? LOCATION: (1)..(5925)
? OTHER INFORMATION: /note="Nucleotide hCAT1 encoding sequence
US-10-235-175-78

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[illegible]

	APPLICANT:	Matsubae, Yoshinori	
	APPLICANT:	Johanson, Jeffrey C.	
	APPLICANT:	Retter, Marc W.	
	APPLICANT:	Martinez, Margarita	
	APPLICANT:	Carter, Darick	
	APPLICANT:	Fanger, Gary R.	
	APPLICANT:	Vedrick, Thomas S.	
	APPLICANT:	Bangur, Chaitanya S.	
	APPLICANT:	McNabb, Andria	
	TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY	
	TITLE OF INVENTION:	AND DIAGNOSIS OF LUNG CANCER	
	FILE REFERENCE:	210121.478C17	
	CURRENT APPLICATION NUMBER:	US/09/902,941	
	CURRENT FILING DATE:	2001-07-10	
	NUMBER OF SEQ ID NOS:	2002	
	SOFTWARE:	FastSeq for Windows Version 4.0	
	SEQ ID NO 639		
	LENGTH:	584	
	TYPE:	DNA	
	ORGANISM:	Homo sapiens	
	US-09-902-941-639		
	Query Match	35.0%; Score 350.8; DB 10; Length 584;	
	Best Local Similarity	88.5%; Pred. No. 4.5e-104;	
	Matches 355; Conservative	0; Mismatches 46; Indels 0; Gaps 0	
Qy	601	TCCAATGNNCTGTGTGA	660
Db	11	TCTATTAGTGCACCTAATAAGCTTGCGTAATCATGTGCTATGCTTTCCGTGTGA	70
Qy	661	TTGGTTATCCGCTCACAAATTTCCACAACAATACGACCAGAACATTAAGTGAACCTG	720
Db	71	TTGTTATCCGCTCAAAATTTCCACAACAATACGACCAGAACATTAAGTGAAGCCTG	130
Qy	721	GAGTGCCATAGTAGAGACTAATCACTAATTAATGCGTTGGCTCACTGCCCGCTTTCCA	780
Db	131	GGGTGCTCAATGAGTAGACTAATCACTAATTAATGCGTTGGCTCACTGCCCGCTTTCCA	190
Qy	781	GTCGGAAAACCTGTGTGTCGACAGCTGCATTAATGAAATCGGCCAACGCGGGAGAAGCGG	840
Db	191	GTCGGAAAACCTGTGTGTCGACAGCTGCATTAATGAAATCGGCCAACGCGGGAGAAGCGG	250
Qy	841	TTTTGGATTTGGGGCGCTCTTGGCTTCTCGTCACTGACTGCTGCGCTGGTGTTCG	900
Db	251	TTTTGGATTTGGGGCGCTCTTGGCTTCTCGTCACTGACTGCTGCGCTGGTGTTCG	310
Qy	901	GCTGGCGGAGCGGTATGAGCTCACTCAAAGCGGTATTAAGGGTATTCACAGATCAG	960
Db	311	GCTGGCGGAGCGGTATGAGCTCACTCAAAGCGGTATTAAGGGTATTCACAGATCAG	370
Qy	961	GGGATACGACAGAAAAACATGTGAGCAAAAGCCAGCAAA 1001	
Db	371	GGATACGACAGAAAAACATGTGAGCAAAAGCCAGCAAA 411	
	RESULT 14		
	US-09-849-626-639		
	Sequence 639, Application US/09849626		
	Publication No. US20020197669A1		
	GENERAL INFORMATION:		
	APPLICANT: Bangur, Chaitanya		
	APPLICANT: Fanger, Gary		
	APPLICANT: Wang, Aijun		
	APPLICANT: Wang, Tonglong		
	APPLICANT: Switzer, Anne		
	APPLICANT: McNeill, Patricia		
	APPLICANT: Clapper, Jonathan		
	TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND		
	FILE REFERENCE: 210121.478C16		
	CURRENT APPLICATION NUMBER: US/09/849,626		
	CURRENT FILING DATE: 2001-05-03		
	NUMBER OF SEQ ID NOS: 1926		

[illegible]

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Db      191  ||||| 250
          GTGCGGAAACCTGTCTGTCAGCTGCATTATGATGCGCAACGCGCGGGAGAGCGG
Qy      841  ||||| 900
          TTGCGTATTGGGCGCTTCCGCTTCCCTGCTCACTGACTCGCTGCGCTCGGTCGTTGG
Db      251  ||||| 310
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Qy      901  ||||| 960
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Qy      961  ||||| 1001
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GenCore version 5.1.6
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Title: US-09-981-353-81

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Scoring table: IDENTITY_NUC
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Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq: *
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq: *
5: /cgn2_6/ptodata/2/ina/PTCDS_COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1084.4	82.3	1291	4	US-09-904-615-17 Sequence 17, Appl
2	1079	81.9	1292	4	US-09-904-615-61 Sequence 61, Appl
3	81.2	6.2	1336	4	US-09-702-705-1676 Sequence 1676, Ap
4	81.2	6.2	1336	4	US-09-736-457-1676 Sequence 1676, Ap
5	74.8	5.7	945	4	US-09-149-476-168 Sequence 168, Appl
6	74.8	5.7	1570	4	US-09-489-847-91 Sequence 91, Appl
7	71.2	5.4	2545	1	US-07-869-933-22 Sequence 22, Appl
8	71.2	5.4	2545	1	US-09-103-663-22 Sequence 22, Appl
9	53	4.0	1669	2	US-08-916-902A-2 Sequence 2, Appl
10	53	4.0	1669	2	US-09-213-389-2 Sequence 2, Appl
11	51.6	3.9	1661	1	US-08-318-492-3 Sequence 3, Appl
12	51.6	3.9	1661	1	US-08-707-340-3 Sequence 3, Appl
13	51.6	3.9	1661	2	US-08-994-578-3 Sequence 3, Appl
14	51.6	3.9	1218	1	US-08-232-463-14 Sequence 14, Appl
15	49.4	3.8	1308	4	US-09-724-864-15 Sequence 15, Appl
16	44.4	3.4	7218	1	US-08-232-463-14 Sequence 14, Appl
17	40.8	3.1	2621	2	US-08-553-619B-8 Sequence 8, Appl
18	40.4	3.1	1238	4	US-09-694-094-2 Sequence 2, Appl
19	40.2	3.1	2065	3	US-09-370-473-5 Sequence 5, Appl
20	39.8	3.0	55298	4	US-09-491-356C-1 Sequence 1, Appl
21	39.2	3.0	1024	4	US-09-328-475C-50 Sequence 50, Appl
22	38.8	2.9	1664976	4	US-08-916-421B-1 Sequence 1, Appl
23	38.6	2.9	1798	4	US-09-797-906-1 Sequence 1, Appl
24	38.4	2.9	2207	6	5221620-3 Patent No. 5221620
25	38.4	2.9	2569	6	5221620-1 Patent No. 5221620
26	38.2	2.9	291	1	US-07-922-723A-7 Sequence 7, Appl
27	38.2	2.9	291	1	US-07-799-828C-7 Sequence 7, Appl

28	38.2	2.9	291	1	US-08-074-275-7 Sequence 7, Appl
29	38.2	2.9	291	1	US-08-480-366-7 Sequence 7, Appl
30	38.2	2.9	291	2	US-07-952-277A-7 Sequence 7, Appl
31	38.2	2.9	148567	4	US-09-801-876B-3 Sequence 3, Appl
32	38.2	2.9	152331	3	US-09-128-155-16 Sequence 16, Appl
33	37.6	2.9	454	2	US-08-623-906A-6 Sequence 6, Appl
34	37.2	2.8	227	2	US-08-520-678A-28 Sequence 28, Appl
35	37.2	2.8	227	3	US-08-897-126-28 Sequence 28, Appl
36	37.2	2.8	2674	4	US-09-817-180-1 Sequence 1, Appl
37	37.2	2.8	319608	4	US-09-539-333D-1 Sequence 1, Appl
38	37.2	2.8	319608	4	US-09-679-409-1 Sequence 1, Appl
39	37	2.8	674	4	US-09-620-405B-465 Sequence 465, App
40	37	2.8	674	4	US-09-433-826B-465 Sequence 465, App
41	37	2.8	674	4	US-09-604-287A-465 Sequence 465, App
42	37	2.8	2773	4	US-09-996-243-178 Sequence 178, App
43	37	2.8	3265	4	US-09-996-243-378 Sequence 378, App
44	36.8	2.8	2218	4	US-09-016-434-1157 Sequence 1157, Ap
45	36.8	2.8	2233	1	US-08-496-631-1 Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-09-904-615-17
; Sequence 17, Application US/09904615
; Patent No. 6566325
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 49 Human Secreted Proteins
; FILE REFERENCE: P2032P1
; CURRENT APPLICATION NUMBER: US/09/904,615
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/511,554
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/097,917
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/098,634
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 1291
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1279)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1286)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1290)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-904-615-17

Query Match 82.3%; Score 1084.4; DB 4; Length 1291;
Best Local Similarity 97.8%; Pred. No. 2.5e-301;
Matches 111; Conservative 1; Mismatches 17; Indels 7; Gaps 1;

QY	182	AAGAAAGAAACAAACAGAGAGATGAAAGACATATATATGTCATCCAAACCAACA	241
DB	75	AAAGAGAAACATAGAGGTGCCAAAGAAACAAAGACATATATATGTCATCCAAAGCAACA	134
QY	242	AGCAGTGTGAATGAATGAACATACCAACCCCTTACCCAGCAGGCTTTATGGCT	301
DB	135	AGCAGTGTGAATGAATGAACATACCAACCCCTTACCCAGCAGGCTTTATGGCT	194
QY	302	CTGTGATTTCAACAGCCTCTGGGTTCAATCACTTAGAAGCAAGCTCAGGCTGCTCAG	361
DB	195	CTGTGATTTCAACAGCCTCTGGGTTCAATCACTTAGAAGCAAGCTCAGGCTGCTCAG	254

362 CGTGTCTAGCCCTACGGCATCAGATCTCCGGGAATCTTTGCTAGCAGTCAACGGGCTCAA 421
255 CGTGTCTAGCCCTACGGCATCAGATCTCCGGGAATCTTTGCTAGCAGTCAACGGGCTCAA 314
422 GGAATATACAAATGATTAATCCAGTGTGGGAAACAGCAGTAAATGAACCTTTAAAGAA 481
315 GGAATATACAAATGATTAATCCAGTGTGGGAAACAGCAGTAAATGAACCTTTAAAGAA 374
482 GCAAGGCACTAGGGGATGATCCAGATCATGTTGATTAATGATTAATGATTAATGATTA 541
375 GCAAGGCACTAGGGGATGATCCAGATCATGTTGATTAATGATTAATGATTAATGATTA 434
542 GTTTTGTGTTAAATATCTCTCTTTAGAGAAATATAGTTTGGCTTACTGCTGT 601
435 GTTTTGTGTTAAATATCTCTCTTTAGAGAAATATAGTTTGGCTTACTGCTGT 494
602 ATTGGTGAATACCATCTGAGGCTGAGCTTTCTTTTATATCTCTGCTCTCTG 661
495 ATTGGTGAATACCATCTGAGGCTGAGCTTTCTTTTATATCTCTGCTCTCTG 554
662 TCAGCATCCAGAGAGCTTTCCCTGCTGTGTGTAAGGAGCCTGGGAATGAACATTGTT 721
555 TCAGCATCCAGAGAGCTTTCCCTGCTGTGTGTAAGGAGCCTGGGAATGAACATTGTT 614
722 AGTTCTATCTGGCTCTCATTTGAGTATCTGCTGTGTGTAATGATGATCAATGAG 781
615 AGTTCTATCTGGCTCTCATTTGAGTATCTGCTGTGTGTAATGATGATCAATGAG 674
782 GTAGCTGGCCAAAGCTATGAGGCTGCTTTCTGGAAGGAGCAATTCAGCAGCTGATG 841
675 GTAGCTGGCCAAAGCTATGAGGCTGCTTTCTGGAAGGAGCAATTCAGCAGCTGATG 734
842 ATCTTCTCCCTCTTGGAGCTCTCTGAGCTGTGAGCTGAGCAGCAGCAGCAGCAGCAG 901
735 ATCTTCTCCCTCTTGGAGCTCTCTGAGCTGTGAGCTGAGCAGCAGCAGCAGCAGCAG 794
902 AACACCAACAATAATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 961
795 AACACCAACAATAATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 854
962 AACACCAACAATAATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1021
855 AACACCAACAATAATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 910
1022 TAGTAAAGAAAGAGGATGATGATGATGATGATGATGATGATGATGATGATGATG 1081
911 ---TAAAGAAAGAGGATGATGATGATGATGATGATGATGATGATGATGATGATG 967
1082 CTTAAGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1141
968 CTTAAGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1027
1142 ATTTGTTTAAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1201
1028 ATTTGTTTAAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1087
1202 TTACCACTACTAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1261
1088 TTACCACTACTAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1147
1262 CTGCTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT 1317
1148 CTGCTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT 1203

RESULT 2
US-09-904-615-61
Sequence 61. Application US/09904615
Patent No. 6565325
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 49 Human Secreted Proteins
FILE REFERENCE: P2032P1

CURRENT APPLICATION NUMBER: US/09/904, 615
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/511,554
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/097, 917
PRIOR FILING DATE: 1998-08-25
PRIOR APPLICATION NUMBER: 60/098, 634
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 170
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 61
LENGTH: 1292
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (71)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (697)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1280)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1287)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1291)
OTHER INFORMATION: n equals a,t,g, or c
US-09-904-615-61

Query Match 81.9%; Score 1079; DB 4; Length 1292;
Best Local Similarity 97.3%; Pred. No. 9e-300; Indels 7; Gaps 1;
Matches 1105; Conservative 4; Mismatches 20

182 AAGAAAGAAACAAAG 241
76 AAG 135
242 AGCAGTCTGAG 301
136 AGCAGTCTGAG 195
302 CCGAGATTTCAAG 361
196 CCGAGATTTCAAG 255
362 CGTGTCAAGCCCTACGGCATCAGATCTCCGGGAATCTTTGCTAGCAGTCAACGGGCTCA 421
256 CGTGTCAAGCCCTACGGCATCAGATCTCCGGGAATCTTTGCTAGCAGTCAACGGGCTCA 315
422 GGAATATACAAATGATTAATCCAGTGTGGGAAACAGCAGTAAATGAACCTTTAAAGAA 481
316 GGAATATACAAATGATTAATCCAGTGTGGGAAACAGCAGTAAATGAACCTTTAAAGAA 375
482 GCAAGGCACTAGGGGATGATCCAGATCATGTTGATTAATGATTAATGATTAATGATTA 541
376 GCAAGGCACTAGGGGATGATCCAGATCATGTTGATTAATGATTAATGATTAATGATTA 435
542 GTTTTGTGTTAAATATCTCTCTTTAGAGAAATATAGTTTGGCTTACTGCTGT 601
436 GTTTTGTGTTAAATATCTCTCTTTAGAGAAATATAGTTTGGCTTACTGCTGT 495
602 ATTGGTGAATACCATCTGAGGCTGAGCTTTCTTTTATATCTCTGCTCTCTG 661
496 ATTGGTGAATACCATCTGAGGCTGAGCTTTCTTTTATATCTCTGCTCTCTG 555
662 TCAGCATCCAGAGAGCTTTCCCTGCTGTGTGTAAGGAGCCTGGGAATGAACATTGTT 721
556 TCAGCATCCAGAGAGCTTTCCCTGCTGTGTGTAAGGAGCCTGGGAATGAACATTGTT 615
722 AGTTCTATCTGGCTCTCATTTGAGTATCTGCTGTGTGTAATGATGATCAATGAG 781

Db 616 AGGCTATCTGGCTTCATTTGAGTATCTGCTGCGTGGATATGTCATCAATGGG 675
Qy 782 GTAGCTGGCCAAAGACTACTGGGCGCTCTTTCTGAAAAAGCAATTCAGCCAGCTGATG 841
Db 676 GTATCTGGCCAAAGACTACTGGGCGCTCTTTCTGAAAAAGCAATTCAGCCAGCTGATG 735
Qy 842 ATCTCTCCCTCTGGAGTCTTCGTAGCTGTGGCCAGCCCAATTTTGGCAACCAAGCA 901
Db 736 ATCTCTCCCTCTGGAGTCTTCGTAGCTGTGGCCAGCCCAATTTTGGCAACCAAGCA 795
Qy 902 AACACCAACAATATGCTGTCTGCTGCTGCTATTCCTAATATGATGAAACCAACCTGTG 961
Db 796 AACACCAACAATATGCTGTCTGCTGCTGCTATTCCTAATATGATGAAACCAACCTGTG 855
Qy 962 AACACCAAGCTCTTCTGAGCTCTCCCAATGCAACCACTACTGCTAAATGCCCCCTAAA 1021
Db 856 AACACCAAGCTCTTCTGAGCTCTCCCAATGCAACCACTACTGCTAAATGCCCCCTAAA 911
Qy 1022 TAGTAAAGAAAAAGGGGTATGCTGCTAATCTCAATGAGAAAACTACTGCAAAAACTT 1081
Db 912 ---TAAAGAAAAAGGGGTATGCTGCTAATCTCAATGAGAAAACTACTGCAAAAACTT 968
Qy 1082 CTTAAGAAAGTCTTTATTTGCTACAAATGATTTCTAGTCTTTAAAAAGTGTGTTGAG 1141
Db 969 CTTAAGAAAGTCTTTATTTGCTACAAATGATTTCTAGTCTTTAAAAAGTGTGTTGAG 1028
Qy 1142 ATTTGTTTTAGTGTGCTGCTAATGATGCTGTATCTCCCTCACTGCTCTCTCTACA 1201
Db 1029 ATTTGTTTTAGTGTGCTGCTAATGATGCTGTATCTCCCTCACTGCTCTCTCTACA 1088
Qy 1202 TTACCACTACTACATGCTGCAAAAGGATGAGATCAAGATCGAAAAAGATTTCTGCA 1261
Db 1089 TTACCACTACTACATGCTGCAAAAGGATGAGATCAAGATCGAAAAAGATTTCTGCA 1148
Qy 1262 CTCCTCTTAAAGTAAAGATTTCTGCTCAATTTACTTTTCCCTAATAAATGTC 1317
Db 1149 CTCCTCTTAAAGTAAAGATTTCTGCTCAATTTACTTTTCCCTAATAAATGTC 1204

RESULT 3

US-09-702-1676
; Sequence 1676, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darlick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FaSTSeq for Windows Version 3.0
; SEQ ID NO 1676
; LENGTH: 1336
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-702-1676

Query Match 6.2%; Score 81.2; DB 4; Length 1336;
Best Local Similarity 58.3%; Pred. No. 2,1e-13;
Matches 190; Conservative 0; Mismatches 118; Indels 18; Gaps 2;
Qy 590 TCTACTGCTGTATTGATGATACCAATCTGGGGTGGCTTTCTTTATTTATCTGGG 649
|||||

Db 471 TCTATTTCATCTACGAGGCTTTCCCTTCTGGGAGAGCTGTGTTATCATTTGACGA 530
Qy 650 TCTCTCTGTGTGACATCTCAAGAGCT---TTCCGTTGTGTGTGAAAGGACGCTG 706
Db 531 TCTCTCTGTGTGACACAGAAATTCAGCAATTTCTTATTTGCTGTCTGTGCAATTTG 590
Qy 707 GGAATGACATTTGATTTCTATCTTGGCCTCATTTGAGATGATTTGCTGTGTGAT 766
Db 591 GGCCTTAACATCTGACATGATCTGCTGTGCAATTTGAGATGATCTTCAATCAAGAT 650
Qy 767 ATGTGAT-----CAATGGGTAGCTGCGCAAGACTACTGAGGCGCTGCTT 811
Db 651 CTAAGTATTCACCAACCATATGCTTACCCGACTATTTATCTTAACGCTGGGTGGAAC 710
Qy 812 TCTGAAAAAGCAATTTGAGCCAGCTGATGATTTCTCCCTCTTGGAGTTCTTGATGCT 871
Db 711 CCTGGAATGGCGAATTTCTGCGGTGCTGTGTCTGTCTCTCTGCAATTTGCAATGCA 770
Qy 872 TGTGCAAGCCCATTTTGGCAACGA 897
Db 771 TGGCATCTTCCCATTTGGCTGCA 796

RESULT 4

US-09-736-457-1676
; Sequence 1676, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darlick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FaSTSeq for Windows Version 3.0
; SEQ ID NO 1676
; LENGTH: 1336
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-736-457-1676

Query Match 6.2%; Score 81.2; DB 4; Length 1336;
Best Local Similarity 58.3%; Pred. No. 2,1e-13;
Matches 190; Conservative 0; Mismatches 118; Indels 18; Gaps 2;
Qy 590 TCTACTGCTGTATTGATGATACCAATTTGCGGGTGGCTTTCTTTATTTATCTGCG 649
Db 471 TCTATTTCATCTACGAGGCTTTCCCTTCTGGGAGAGCTGTGTTATCATTTGACGA 530
Qy 650 TCTCTCTGTGTGACATCTCAAGAGCT---TTCCGTTGTGTGTGAAAGGACGCTG 706
Db 531 TCTCTCTGTGTGACACAGAAATTCAGCAATTTCTTATTTGCTGTCTGTGCAATTTG 590
Qy 707 GGAATGACATTTGATTTCTATCTTGGCCTCATTTGAGATGATTTGCTGTGTGAT 766
Db 591 GGCCTTAACATCTGACATGATCTGCTGTGCAATTTGAGATGATCTTCAATCAAGAT 650
Qy 767 ATGTGAT-----CAATGGGTAGCTGCGCAAGACTACTGAGGCGCTGCTT 811
Db 651 CTAAGTATTCACCAACCATATGCTTACCCGACTATTTATCTTAACGCTGGGTGGAAC 710
Qy 812 TCTGAAAAAGCAATTTGAGCCAGCTGATGATTTCTCCCTCTTGGAGTTCTTGATGCT 871
|||||

Db 711 CCGAGATGGCGATTCTGCGCTGCTGCTTCTTGCGATTCGCA 770
QY 872 TGGCCACAGCCATTTCGCCACCA 897
Db 771 TGGCGATCTTCCCACTTGGCTGCCA 796

RESULT 5

US-09-149-476-168
Sequence 168, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002P1
CURRENT APPLICATION NUMBER: US/09/149, 476
CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,583
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,617
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,618
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,503
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,584
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,500
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,587
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,492
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,314
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,569
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,311
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,671
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EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
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EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,911
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,636
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845

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; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,892
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,761
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/047,595
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,599
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,588
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,585
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,586
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,590
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

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Query Match 5.7%; Score 74.8; DB 4; Length 945;
 Best Local Similarity 55.3%; Pred. No. 1.2e-11;
 Matches 167; Conservative 0; Mismatches 132; Indels 3; Gaps 1;

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QY 474 AAGAAAGCAAGGACCTAGGGGTATCCAGATCATGCTGGATGATGACATGCTT 533
DB 164 AGCAGAAATTCAGAAATGATGAGCATATCCAGATCTGTGTGACATGATGATGAGCT 223
QY 534 TTGGAATGTTTGTGTTAATATCTTCTTTAGAGAAATAGGTTTGGCTCTA 593

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DB 224 TGGGATCATTTTGGGATCTGCTCTCTCTCCAAATTTTACCAG---TGACTTCTA 280
QY 594 CTGCTGTATTTGGTGATNCCCATTTCTGGGAGGCTTTCTTTATTTATCTGCTCTC 653
DB 281 CACTGTGAACTCTGCTTACCCATTCATAGGACCCTTTTATTTATCTGCTCTC 340
QY 654 TCTCTGTGACATCCAGAGGCTTTCCCTGTGTGTGTAAGGACGCTGGGATGA 713
DB 341 TATCAATCCGACAGAGAAAGGTTTACAGCTTTTGGTGACATGACGCTGGTGGAA 400
QY 714 ACATTTGATTTCTATCTTGCCCTTCAATGAGATGCTGCTGCTGATATGTGA 773
DB 401 GCAATTCGATGCTGTCTGTCTGCGCTGTGGTTTATTTATCTGTCTGTAACAGGCCA 460
QY 774 TC 775
DB 461 CC 462

```

RESULT 6
 US-09-489-847-91
 ; Sequence 91, Application US/09489847
 ; Patent No. 6476195
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al
 ; TITLE OF INVENTION: 98 Human Secreted Proteins
 ; FILE REFERENCE: P2031PI
 ; CURRENT APPLICATION NUMBER: US/09/489,847
 ; CURRENT FILING DATE: 2000-01-24
 ; EARLIER APPLICATION NUMBER: PCT/US99/17130
 ; EARLIER FILING DATE: 1999-07-29
 ; EARLIER APPLICATION NUMBER: 60/094,657
 ; EARLIER FILING DATE: 1998-07-30
 ; EARLIER APPLICATION NUMBER: 60/095,486
 ; EARLIER FILING DATE: 1998-08-05
 ; EARLIER APPLICATION NUMBER: 60/096,319
 ; EARLIER FILING DATE: 1998-08-12
 ; EARLIER APPLICATION NUMBER: 60/095,454
 ; EARLIER FILING DATE: 1998-08-06
 ; EARLIER APPLICATION NUMBER: 60/095,455
 ; EARLIER FILING DATE: 1998-08-06
 ; NUMBER OF SEQ ID NOS: 376
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 91
 ; LENGTH: 1570
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-489-847-91

Query Match 5.7%; Score 74.8; DB 4; Length 1570;
 Best Local Similarity 55.3%; Pred. No. 1.5e-11;
 Matches 167; Conservative 0; Mismatches 132; Indels 3; Gaps 1;

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QY 474 AAGAAAGCAAGGACCTAGGGGTATCCAGATCATGCTGGATGATGACATGCTT 533
DB 368 AGCAGAAATTCAGAAATGATGAGCATATCCAGATCTGTGTGACATGATGATGAGCT 427
QY 534 TTGGAATGTTTGTGTTAATATCTTCTTTAGAGAAATAGGTTTGGCTCTA 593
DB 428 TGGGATCATTTTGGGATCTGCTCTCTCTCCAAATTTTACCAG---TGACTTCTA 484
QY 594 CTGCTGTATTTGGTGATNCCCATTTCTGGGAGGCTTTCTTTATTTATCTGCTCTC 653
DB 485 CACTGTGAACTCTGCTTACCCATTCATAGGACCCTTTTATTTATCTGCTGCTCTC 544
QY 654 TCTCTGTGACATCCAGAGGCTTTCCCTGTGTGTGTAAGGACGCTGGGATGA 713
DB 545 TATCAATCCGACAGAGAAAGGTTTACAGCTTTTGGTGACATGACGCTGGTGGAA 604
QY 714 ACATTTGATTTCTATCTTGCCCTTCAATGAGATGCTGCTGCTGATATGTGA 773
DB 605 GCAATTCGATGCTGTCTGTCTGCGCTGTGGTTTATTTATCTGTCTGTAACAGGCCA 664

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QY 774 TC 775
DB 665 CC 666

RESULT 7

US-07-869-933-22
Sequence 22, Application US/07869933
Patent No. 5770396
GENERAL INFORMATION:
APPLICANT: KINET, Jean-Pierre
TITLE OF INVENTION: ISOLATION, CHARACTERIZATION, AND USE OF
TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/869,933
FILING DATE: 19920416
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 40399/154 NIND
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)863-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 2545 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 46..786
NAME/KEY: sig_peptide
LOCATION: 46..54
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 55..786
US-07-869-933-22

Query Match 5.4%; Score 71.2; DB 1; Length 2545;
Best Local Similarity 54.2%; Pred. No. 2.2e-10;
Matches 167; Conservative 0; Mismatches 138; Indels 3; Gaps 1;

QY 470 TTTAAAGAAAGAAAGCACTAGGGGTGATCCAGTCAATGTTGGATTGATGACATTT 529
DB 214 TTGAAGAAAGAGTTGGATTCCTGGGGGTAAACCAAGTTCTGGTTGGATTGATGACCTT 273
QY 530 GGTGGGAATGTTGTTGTTTAAATACCTTCTTTAGAGAGATTAGGTTTGGC 589
DB 274 TGTTTGAAACAGTGTCTGCTCCACACTCCAGCTTC--AGCTTTAGACAGAAAGTG 330
QY 590 TCTACTGCTGTATTGATGATACCAATTCGGGGTGGCCCTTTCTTTATTATCTGGC 649
DB 331 CTTTATTATATAGAGAGGCTACCACTTCGGGGTCAAGTCTGTTTGTCTGGA 390

QY 650 TCTCTCTGTGTGACATCCAGAGCTTTCCGTTGTCTGTGTAAGGACCCCTGGGA 709
DB 391 TTTTGTCAATATATATGTCGAAAGAAAACACACTGTATCTGGTGAAGGACCTGGGA 450
QY 710 ATGAACATTGTAGTTCTATCTTGGCCTTCATTTGAGATGATCTGCTGTGTGATAG 769
DB 451 GCAACATTGTCAGACATCGCTGAGGCTTGGGATGCGCATATATGATTCTCAATCTG 510
QY 770 TGCATCAA 777
DB 511 AGCAACAA 518

RESULT 8

US-09-103-663-22
Sequence 22, Application US/09103663D
Patent No. 6171803
GENERAL INFORMATION:
APPLICANT: Kinet et al.
TITLE OF INVENTION: Isolation, characterization, and use of the human beta
TITLE OF INVENTION: subunit of the high affinity receptor for
FILE REFERENCE: 50490
CURRENT APPLICATION NUMBER: US/09/103,663D
CURRENT FILING DATE: 1998-06-23
EARLIER APPLICATION NUMBER: 07/869,933
EARLIER FILING DATE: 1992-04-16
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 22
LENGTH: 2545
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: sig_peptide
LOCATION: (46)..(54)
FEATURE:
NAME/KEY: CDS
LOCATION: (46)..(786)
US-09-103-663-22

Query Match 5.4%; Score 71.2; DB 3; Length 2545;
Best Local Similarity 54.2%; Pred. No. 2.2e-10;
Matches 167; Conservative 0; Mismatches 138; Indels 3; Gaps 1;

QY 470 TTTAAAGAAAGAAAGCACTAGGGGTGATCCAGTCAATGTTGGATTGATGACATTT 529
DB 214 TTGAAGAAAGAGTTGGATTCCTGGGGGTAAACCAAGTTCTGGTTGGATTGATGACCTT 273
QY 530 GGTGGGAATGTTGTTGTTTAAATACCTTCTTTAGAGAGATTAGGTTTGGC 589
DB 274 TGTTTGAAACAGTGTCTGCTCCACACTCCAGCTTC--AGCTTTAGACAGAAAGTG 330
QY 590 TCTACTGCTGTATTGATGATACCAATTCGGGGTGGCCCTTTCTTTATTATCTGGC 649
DB 331 CTTTATTATATAGAGAGGCTACCACTTCGGGGTCAAGTCTGTTTGTCTGGA 390
QY 650 TCTCTCTGTGTGACATCCAGAGCTTTCCGTTGTCTGTGTAAGGACCCCTGGGA 709
DB 391 TTTTGTCAATATATGTCGAAAGAAAACACACTGTATCTGGTGAAGGACCCCTGGGA 450
QY 710 ATGAACATTGTATCTATCTTGGCCTTCATTTGAGATGATCTGCTGTGTGATAG 769
DB 451 GCAACATTGTCAGACATCGCTGAGGCTTGGGATGCGCATATGATTCTCAATCTG 510
QY 770 TGCATCAA 777
DB 511 AGCAACAA 518

RESULT 9

US-08-916-902A-2

Query Match	4.0%;	Score 53;	DB 2;	Length 1669;
Best Local Similarity	51.5%;	Pred. No. 2.9e-05;		
Matches 153;	Conservative 0;	Mismatches 135;	Indels 9;	Gaps 1;

Qy	439	AAATCCAAAGTGTGGAA	CAGCAGTAATGA	CTTTAAAGAGAAGC	MAAGCACTAGGGGT	498
Db	302	ACATCTGTGGAAAAGAT	TGCAAGAGAAAGT	CTTGAAAGGAGAAC	CCCAAGTCTTTGGGGT	361
Qy	499	GATCCAAATCATG	TGTGGATTGATG	GCACATGTGTTTGGAA	TGTGTTGTGTTAAATTC	558
Db	362	TGTCAAAATTCG	ACTGCCCTGAATGAG	CGCTTTCAGCATGGAA	ATACAAATGATGTGTATGCG	421
Qy	559	CTTCTCTTTTGA	AGATTAAGGTTT	GCTCTACTCTGT	TATTTGATGGATTAACCAAT	618
Db	422	ATCTAAATACT	-----TATG	AAAGTAACCCAT	TATTTCCGTATATACGGGTACACAT	472
Qy	619	CTGGGGTGGG	CTTTTATTATATCT	GTGGCTCTCTCT	GTGTGTCAGATCCAAAGAGCT	678
Db	473	TTGGGGGTTCAG	TAATGTTATTATTT	TTCAGATCTTGTC	ATTCAGATGACGAGGAATTAGAAC	532
Qy	679	TTCCGTTGTCT	GTGGGAAAGCAG	CGCCTGGAGATGA	CACTTTTGGTTATATCTTGGC	735
Db	533	TACAAAGGCTG	GTCCGAGGTAG	CTTAGGAATGAAT	TATCCACAGCTCTGTATCTGGC	589

RESULT	10
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Query Match	4.0%;	Score 53;	DB 2;	Length 1669;
Best Local Similarity	15.5%;	Pred. No. 2.9e-05;		
Matches 153;	Conservative	0;	Mismatches 135;	Indels 9;
			Gaps	1;
Qy	439	AAATCCAAAGTGGGAAACAGACAGTAATGAACCTTAAGAAAGAACAAAGCATTAGGGGT	498	
Db	302	ACATCTGTGAAAAGATTGCAGAGAAATCTTTAAGGGAGAACCCAAAGTCTTGGGGT	361	
Qy	499	GATCCAGATCATGGTTGATTTGAATGCATTTGGTTTGGATTTGTTGTTTAATATC	558	
Db	362	TGTGCAGATTTCTGACTGCCCTGATGAGACCTTAGATGGAAATTAACATGATGTATGGC	421	
Qy	559	CTTCTCTTTAGAGAAATTAAGTTTGGCTCTACTGCTGTATTAATGGTGATTAACCAT	618	
Db	422	ATCTAAATACT-----TATGGAAGTAACCCATTTTCGGTATATACGGGTACAAAT	472	
Qy	619	CTGGGGTGGCCTTCTTTATATATCTGTGGCTCTCTCTGTGTGACATCCAAAGAGCT	678	
Db	473	TTGGGGGTCAAGTATGTTTATTTATTCAGGATCTTGTCATATGACAGAGAAATTAGAAC	532	
Qy	679	TTCCCGTTGTCTGTGTGAAGGACGCTGGGAATGAATTTGTTAGTTCTATCTTGGC	735	
Db	533	TACAAAAGGCTGTGCTCCAGAGTGTGTAGGAATGAATATACACGCTCTGTACTGGC	589	

Oy	115	AGACAACGTTTGCTCATATGTGGCCACTTGGAAAAATAGGAGAATAAACATGA	174
Db	1451	ATAGAAGATTGGTCAChRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	1392
Oy	175	ACGAAACAGAAAGAAAACAAAACAGAAAGAMTAGMAAAGACATTAATGATGCATCCA	234
Db	1391	RRR	1332
Oy	235	GCCACAAGCATTGCTGAAGTAAATGAAACCATACCCCAACCTTAACCAACAGACTT	294
Db	1331	RR	1272
Oy	295	TATGCTCCTGATTTCAACAGCCTCTGGTTTCATCACTTAGAAACCAAGTCAAGG	354
Db	1271	RR	1212
Oy	355	TGCTCAGCGTGCTCAGCCCTACGGCATCACATCTCCGGAACTTGTCTACAGTCAAC	414
Db	1211	RR	1152
Oy	415	GGGTCAGGAATAATCAATGATTAATCCAGTGTGGAAACAGACGTAATGAACCTTAA	474
Db	1151	RR	1092
Oy	475	AGAGAAGCAAAGCATGAGGGTGATC	502
Db	1091	RRRRRRRRRRRRRRRRRRRRRRATC	1064

Db 423 TGAGCATCCGAGTGCCTCTGACTCTAAGGCAATCGCATTCCTCTGTCAGTTTG 481

```

RESULT 15
US-09-724-664-15
: Sequence 15, Application US/09724864
: Patent No. 6380362
: GENERAL INFORMATION:
: APPLICANT: Watson, James D
: APPLICANT: Mulson, James G.
: TITLE OF INVENTION: Polynucleotides, polypeptides expressed
: TITLE OF INVENTION: by the polynucleotides and methods for their use.
: FILE REFERENCE: 11000.105001
: CURRENT APPLICATION NUMBER: US/09/724,864
: CURRENT FILING DATE: 2000-11-28
: PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678
: PRIOR FILING DATE: 1999-12-23
: NUMBER OF SEQ ID NOS: 72
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 15
: LENGTH: 1308
: TYPE: DNA
: ORGANISM: Mouse
US-09-724-664-15

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	Query March Best Local Similarity	3.8% 50.2%	Score 49.4; Pred. No. 0.0027;	DB 4	Length 1308;
	Matches 150;	Conservative 0;	Mismatches 146;	Indels 3;	Gaps 1;
Qy	471	TTAAAGAAAGAACAAAGC	CTAGGGGTGATCCAGATCATGTTGGATTGACATCTG	530	
Db	186	TAAAGCTGAGATCAAAAGT	GATGGGGCAATCCAGATCATGTGCTGTGATGGTGTGA	245	
Qy	531	GTTTGGAAATGTTTGTGTTT	TAATATCTCTCTTTAAGAAAGTATTAGCTTTTGCT	590	
Db	246	GTCGGGAAATCAATTTGG	CATCTGTCTCCCTCCAATCTACCTTACCTCAAGTGT---T	302	
Qy	591	CTACGCGTATTAGGTGAT	TACCCATCTCGGGGGTGGCTTCTTTTATTAATCTGGCT	650	
Db	303	CCATCTCTTGAATCTGG	CTACCACTATTGTAAGACCTTTGTTTTCGCAATCTCTGAAA	362	
Qy	651	CTCTCTCTGTCAAGCAT	CCAAGACCTTCCCTGTCTGGTGAAGAGCAAGCCTGGAA	710	
Db	363	TTCTGTCTATTGTCA	CAGAAAAAGATGACCTAAGCCTTTGGTTCAAGCAGCCTGAGCC	422	
Qy	711	TGAACATTGTTAGTCTA	TCTTGCGCTTCATTTGAGGCAATTCGTGCTGTGGATATAG	769	

Db 423 TGAGCATCCTGAGTGTCTCTCTGCTCTTACAGGCATCGCTATCTCTCTGTCAGTTTG 481

Search completed: December 14, 2003, 00:17:29

Job time : 94.2771 secs

[illegible]

QY	181	CAAGAAAGAAAACAAAACGAAGAGGAATGAAAAAACAATTATGATGATCAACCAAC	240
Dp	181	CAGAGAGAAAACAAAACGAAGAGGAATGAAAAAACAATTATGATGATCAACCAAC	240
QY	241	AAGCCATGCTGAAAGTAAATGAAACCATACCCACCACCCACAGCTTATGGC	300
Dp	241	AAGCCATGCTGAAAGTAAATGAAACCATACCCACCACCCACAGCTTATGGC	300
QY	301	TCCTGGATTTCAACAGCCTCTGGGTTCAATCACTTAAAGAACCAAGCTCAGGGTCTCA	360
Dp	301	TCCTGGATTTCAACAGCCTCTGGGTTCAATCACTTAAAGAACCAAGCTCAGGGTCTCA	360
QY	361	GGGTGCTCAGCCCTTACGGCATCAACATCTCCGGGAATCTTTGGCTACAGTCAACGGGTCA	420
Dp	361	GGGTGCTCAGCCCTTACGGCATCAACATCTCCGGGAATCTTTGGCTACAGTCAACGGGTCA	420
QY	421	AGGAATATATACAAATGATATAATCCAAAGTGGGAAACAGCAGTAAATGAATTAAGAAAGA	480
Dp	421	AGGAATATATACAAATGATATAATCCAAAGTGGGAAACAGCAGTAAATGAATTAAGAAAGA	480
QY	481	AGCAAAAGCACTAGGGGTGATCCAGATCATGGTTGGAATGATGCACATTGGTTTGAAT	540
Dp	481	AGCAAAAGCACTAGGGGTGATCCAGATCATGGTTGGAATGATGCACATTGGTTTGAAT	540
QY	541	TGTTTGGTTTAATATGCTCTCTCTTTAGAGAAATATAGGTTTGGCTCTACGCTGT	600
Dp	541	TGTTTGGTTTAATATGCTCTCTCTTTAGAGAAATATAGGTTTGGCTCTACGCTGT	600
QY	601	TATTGGTGAATACCATCTGAGGGTGGCCTTCTTTATATATCTGTGCTCTCTCTGT	660
Dp	601	TATTGGTGAATACCATCTGAGGGTGGCCTTCTTTATATATCTGTGCTCTCTCTGT	660
QY	661	GTCAAGCATCCAAAGAGCTTTCCCGTTGTCTGTGTAAGAGCAGCCTGGAAATGAACATTTGT	720
Dp	661	GTCAAGCATCCAAAGAGCTTTCCCGTTGTCTGTGTAAGAGCAGCCTGGAAATGAACATTTGT	720
QY	721	TAGTTCTATCTTGAGCTTCAATTTGAGATATCTGTGCTGGTGAATATGTCATCAATGG	780
Dp	721	TAGTTCTATCTTGAGCTTCAATTTGAGATATCTGTGCTGGTGAATATGTCATCAATGG	780
QY	781	GGTAGCTGGCAAGACTACTGAGGACGTCCTTCTTGAAAAAGCATTTGAGCAACGCTGAT	840
Dp	781	GGTAGCTGGCAAGACTACTGAGGACGTCCTTCTTGAAAAAGCATTTGAGCAACGCTGAT	840
QY	841	GATCTTCTCCCTCTTGAGAGTTCTTGTGAGCTTGTGCAACGCCATTTTGGCAACCAAGC	900
Dp	841	GATCTTCTCCCTCTTGAGAGTTCTTGTGAGCTTGTGCAACGCCATTTTGGCAACCAAGC	900
QY	901	AAACACCCACAACTATATGTCTGTCTGTGTTATTCAAATATGTTGAAGAACACCTGT	960
Dp	901	AAACACCCACAACTATATGTCTGTCTGTGTTATTCAAATATGTTGAAGAACACCTGT	960
QY	961	GACACCAAGCTCTTCAAGCTCCTCCAGATGCAACATCTACAGCTAATGCCCTTAA	1020
Dp	961	GACACCAAGCTCTTCAAGCTCCTCCAGATGCAACATCTACAGCTAATGCCCTTAA	1020
QY	1021	ATAGTAAAGAAAAAGGGGTATCACTCTAATCTCAATGAGAAAAACTCTTGCAAAAACT	1080
Dp	1021	ATAGTAAAGAAAAAGGGGTATCACTCTAATCTCAATGAGAAAAACTCTTGCAAAAACT	1080
QY	1081	TCTTAAAGAAATGCTTTTATTTATGTCTCAAAATGATTTCTAAGTCTTAAAAACGTGTGGA	1140
Dp	1081	TCTTAAAGAAATGCTTTTATTTATGTCTCAAAATGATTTCTAAGTCTTAAAAACGTGTGGA	1140
QY	1141	GATTTGTTTTAGGTGGTGGCTAAATGATGGCTGATCTCCCTTACGTCTCTTCCATC	1200
Dp	1141	GATTTGTTTTAGGTGGTGGCTAAATGATGGCTGATCTCCCTTACGTCTCTTCCATC	1200
QY	1201	ATTACCACTACTACATGCTGGCAAAAGTGAAGATCAGAGACTGAAAAATGATTTCTGCA	1260
Dp	1201	ATTACCACTACTACATGCTGGCAAAAGTGAAGATCAGAGACTGAAAAATGATTTCTGCA	1260
QY	1261	ACTCTCTTAAAGTGAAGATGTTCTGTCTCAATATTACTTTTCTTAAATAAATGTC	1317

Db	1261	ACTCTTAAAGTTAGAAATGTTTCTGTGTCATATTACTTTTCTCTAATAAATGTC	1317
		<p>RESULT 2</p> <p>US-10-158-646-77</p> <p>/ Sequence 77, Application US/10158646</p> <p>/ Publication No. US20030073105A1</p> <p>/ GENERAL INFORMATION:</p> <p>/ APPLICANT: Lasek, Amy K.W.</p> <p>/ APPLICANT: Sornasee, Thieriy</p> <p>/ TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER</p> <p>/ FILE REFERENCE: PA-0030-1 US</p> <p>/ CURRENT APPLICATION NUMBER: US/10/158,646</p> <p>/ CURRENT FILING DATE: 2002-05-29</p> <p>/ PRIOR APPLICATION NUMBER: 60/295,239</p> <p>/ PRIOR FILING DATE: 2001-05-31</p> <p>/ NUMBER OF SEQ ID NOS: 78</p> <p>/ SOFTWARE: PERL Program</p> <p>/ SEQ ID NO 77</p> <p>/ LENGTH: 1318</p> <p>/ TYPE: DNA</p> <p>/ ORGANISM: Homo sapiens</p> <p>/ FEATURES:</p> <p>/ NAME/KEY: misc feature</p> <p>/ OTHER INFORMATION: Incyte ID No. US20030073105A1 417113.5</p> <p>US-10-158-646-77</p>	
		<p>Query Match 100.0%; Score 1317; DB 15; Length 1318;</p> <p>Best Local Similarity 100.0%; Pred. No. 0;</p> <p>Matches 1317; Conservative 0; Mismatches 0; Indels 0; Gaps 0</p>	
QY	1	AAGAAACAAAGTAAAGTCATGATACGTTCTTGCCCTATCTCTCTCCAAATCATGCGCA	60
DB	2	AAGAAACAAAGTAAAGTCATGATACGTTCTTGCCCTATCTCTCCAAATCATGCGCA	61
QY	61	CAAACGTGGCTGATCTAACCTGTGTGGGTTCTGTCTCTAATTGAGAGGATGAAAGACA	120
DB	62	CAAACGTGGCTGATCTAACCTGTGTGGGTTCTGTCTCTAATTGAGAGGATGAAAGACA	121
QY	121	GTTCTTGACTCTATGTTGAGGCGCAGTTGAAATAAGAGGAGAAATPAAACATGAAAGAA	180
DB	122	GTTCTTGACTCTATGTTGAGGCGCAGTTGAAATAAGAGGAGAAATPAAACATGAAAGAA	181
QY	181	CAAGAAAGAAACAAACAGAAAGAGAAATGAAAAAGACATAATGATGTCATCCAAAGCCAA	240
DB	182	CAAGAAAGAAACAAACAGAAAGAGAAATGAAAAAGACATAATGATGTCATCCAAAGCCAA	241
QY	241	AAGCAATGCTGAAGTAATAATGAAACATPACCAACCCCTTACCCACAAAGACGTTATAGC	300
DB	242	AAGCAATGCTGAAGTAATAATGAAACATPACCAACCCCTTACCCACAAAGACGTTATAGC	301
QY	301	TCTGTGATTTCAAGAGCCTCTGGGTTCAATCAACTTAGAAAAACCAAGCTCAGGGTGCTCA	360
DB	302	TCTGTGATTTCAAGAGCCTCTGGGTTCAATCAACTTAGAAAAACCAAGCTCAGGGTGCTCA	361
QY	361	GCGTGCTCAGCCTTACGGCATCACATCTCCGGGAATCTTTGCTAGCAATCAACCGGGTCA	420
DB	362	GCGTGCTCAGCCTTACGGCATCACATCTCCGGGAATCTTTGCTAGCAATCAACCGGGTCA	421
QY	421	AGGAATATACAAATGATTAATCCAAGTGTGGGAAACAGACGTAATGAACCTTAAAGAA	480
DB	422	AGGAATATACAAATGATTAATCCAAGTGTGGGAAACAGACGTAATGAACCTTAAAGAA	481
QY	481	AGCAAAAGGCACTAAGGGGATCCAGATCATGTTGGAATGATGACATTTGGTTTGGAA	540
DB	482	AGCAAAAGGCACTAAGGGGATCCAGATCATGTTGGAATGATGACATTTGGTTTGGAA	541
QY	541	TGTTTGTGTTAATATCTCTCTTTTAAAGAGATTTAGGTTTGGCTCTACTGCTGT	600
DB	542	TGTTTGTGTTAATATCTCTCTTTTAAAGAGATTTAGGTTTGGCTCTACTGCTGT	601
QY	601	TATGTGTGATACCAATTCCTGGGATGCGCTTTTATTAATCTCTGGCTCTCTCTGT	660

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Db 602 TATTGGTGAATACCATTCCTGGGGTGGCTTTCTTTTATATCTGGCTCTCTCTGT 661
Qy 661 GTCAAGATCCAAAGAGCTTCCCTTGTCTGTGTAAAGGCAAGCTGGGAATGAACATTGT 720
Db 662 GTCAAGATCCAAAGAGCTTCCCTTGTCTGTGTAAAGGCAAGCTGGGAATGAACATTGT 721
Qy 721 TAGTTCATCTGGCTTCATCTGAGTGAATTCGTCTGTGTGAATGATGATGATGATGATG 780
Db 722 TAGTTCATCTGGCTTCATCTGAGTGAATTCGTCTGTGTGAATGATGATGATGATGATG 781
Qy 781 GGTAGCTGGCCAAAGACTACTGAGCCGCTCTTCTGAAAAGGCAATTCAGCCAGCTGAT 840
Db 782 GTAGCTGGCCAAAGACTACTGAGCCGCTCTTCTGAAAAGGCAATTCAGCCAGCTGAT 841
Qy 841 GATCTTCTCCCTCTTGGAGTTCCTGTAAGCTTGTGCAAGCCCAATTTGGCAACCAAGC 900
Db 842 GATCTTCTCCCTCTTGGAGTTCCTGTAAGCTTGTGCAAGCCCAATTTGGCAACCAAGC 901
Qy 901 AAACACCAACCAATATGTCGTCTGATTCCTGATTCCTGATTCCTGATTCCTGATTCCTG 960
Db 902 AAACACCAACCAATATGTCGTCTGATTCCTGATTCCTGATTCCTGATTCCTGATTCCTG 961
Qy 961 GACACCAAGCTCTTCTTCAAGCTCTCCCAAGTGAACCACTACTCAGCTAATGCCCTAA 1020
Db 962 GACACCAAGCTCTTCTTCAAGCTCTCCCAAGTGAACCACTACTCAGCTAATGCCCTAA 1021
Qy 1021 ATGTGTAAGAAAAGGGGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
Db 1022 ATGTGTAAGAAAAGGGGATGATGATGATGATGATGATGATGATGATGATGATGATG 1081
Qy 1081 TCTTAAGAAATGCTTCTTATGTCATGATTCCTGATTCCTGATTCCTGATTCCTGATTCCT 1140
Db 1082 TCTTAAGAAATGCTTCTTATGTCATGATTCCTGATTCCTGATTCCTGATTCCTGATTCCT 1141
Qy 1141 GATTTGTTTAAAGTGTGCTGCTATGATGATGATGATGATGATGATGATGATGATGATG 1200
Db 1142 GATTTGTTTAAAGTGTGCTGCTATGATGATGATGATGATGATGATGATGATGATGATG 1201
Qy 1201 ATTAACCACTACTGCTGCAAGGTAAGGATGAGATGAGATGAGATGAGATGAGATGAGATG 1260
Db 1202 ATTAACCACTACTGCTGCAAGGTAAGGATGAGATGAGATGAGATGAGATGAGATGAGATG 1261
Qy 1261 ACTCTCTTAAGTGAATGTTCTGTCTATCTTTTCTTAAATGAATGTC 1317
Db 1262 ACTCTCTTAAGTGAATGTTCTGTCTATCTTTTCTTAAATGAATGTC 1318

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RESULT 3

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US-09-739-254-17
; Sequence 17, Application US/09739254
; Patent No. US20010021700A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 49 Human Secreted Proteins
; FILE REFERENCE: P2032P1
; CURRENT APPLICATION NUMBER: US/09/739, 254
; EARLIER FILING DATE: 2000-12-19
; EARLIER APPLICATION NUMBER: 09/511,554
; EARLIER FILING DATE: 2000-02-23
; EARLIER APPLICATION NUMBER: PCT/US99/19330
; EARLIER FILING DATE: 1999-08-24
; EARLIER APPLICATION NUMBER: 60/097,917
; EARLIER FILING DATE: 1998-08-25
; EARLIER APPLICATION NUMBER: 60/098,634
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 1291
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

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; NAME/KEY: SITE
; LOCATION: (1279)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1286)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1290)
; OTHER INFORMATION: n equals a,t,g, or c
; US-09-739-254-17

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Query Match 82.3%; Score 1084.4; DB 9; Length 1291;

Best Local Similarity 97.8%; Pred. No. 3e-294; Indels 7; Gaps 1;

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Matches 111; Conservative 1; Mismatches 17;
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Qy 182 AAGAAAGAAACAAACAGAGAGAAATGAAAAACATATGATGATGATGATGATGATGATG 241
Db 75 AAGAGAGAAACATAGAGTGCACAAAGAGACAAAGATATGATGATGATGATGATGATGATG 134
Qy 242 AGCCATGCTGAAGTAAATGAACCAATACCAACCTTACCCACCAAGCAGCTTTATGCT 301
Db 135 AGCCATGCTGAAGTAAATGAACCAATACCAACCTTACCCACCAAGCAGCTTTATGCT 194
Qy 302 CCGTGAATTCACAGCCTCTGGGTTCAATCACTTGAAGAAACCAAGCTCAGGGTCTCAG 361
Db 195 CCGTGAATTCACAGCCTCTGGGTTCAATCACTTGAAGAAACCAAGCTCAGGGTCTCAG 254
Qy 362 CGTGTACAGCCCTACGCGCATCATCTCCGGAATCTTTCTAGAGTCAACCGGCTCAA 421
Db 255 CGTGTACAGCCCTACGCGCATCATCTCCGGAATCTTTCTAGAGTCAACCGGCTCAA 314
Qy 422 GGAATATACAAATGATTAATCAAGTGTGGAACAGCAGTAATGAACCTTAAAGAA 481
Db 315 GGAATATACAAATGATTAATCAAGTGTGGAACAGCAGTAATGAACCTTAAAGAA 374
Qy 482 GCMAAGCACTAGAGGTGATCCAGATCAGATGATGATGATGATGATGATGATGATGATG 541
Db 375 GCMAAGCACTAGAGGTGATCCAGATCAGATGATGATGATGATGATGATGATGATGATG 434
Qy 542 GTTTGTTTAAATATCTCTCTTTTAAAGAGTATAGTGTGCTTACTGCTGTT 601
Db 435 GTTTGTTTAAATATCTCTCTTTTAAAGAGTATAGTGTGCTTACTGCTGTT 494
Qy 602 ATTGTGATATCCATCTGAGGATGAGCTTTCTTTATATCTGTGCTCTCTGTG 661
Db 495 ATTGTGATATCCATCTGAGGATGAGCTTTCTTTATATCTGTGCTCTCTGTG 554
Qy 662 TCAGCATCCAGAGAGCTTCCGTTGTCTGTGAAAGGCAAGCTGGGAATGAACATTGTT 721
Db 555 TCAGCATCCAGAGAGCTTCCGTTGTCTGTGAAAGGCAAGCTGGGAATGAACATTGTT 614
Qy 722 AGTTTATCTGGCTTCATGATGAGTATCTGCTGTGATGATGATGATGATGATGATGATG 781
Db 615 AGTTTATCTGGCTTCATGATGAGTATCTGCTGTGATGATGATGATGATGATGATGATG 674
Qy 782 GTAGCTGGCCAAAGACTACTGAGCCGCTTCTGAAAAGGCAATTCAGCCAGCTGATG 841
Db 675 GTAGCTGGCCAAAGACTACTGAGCCGCTTCTGAAAAGGCAATTCAGCCAGCTGATG 734
Qy 842 ATCTTCTCCCTCTTGGAGTTCCTGTAAGCTTGTGCAAGCCCAATTTGGCAACCAAGCA 901
Db 735 ATCTTCTCCCTCTTGGAGTTCCTGTAAGCTTGTGCAAGCCCAATTTGGCAACCAAGCA 794
Qy 902 AAACACCAACCAATATGTCGTCTGATTCCTGATTCCTGATTCCTGATTCCTGATTCCTG 961
Db 795 AAACACCAACCAATATGTCGTCTGATTCCTGATTCCTGATTCCTGATTCCTGATTCCTG 854
Qy 962 ACAACAGAGCTCTTCTTCAAGCTCTCCCAAGTGAACCACTACTCAGCTAATGCCCTTAA 1021
Db 855 ACAACAGAGCTCTTCTTCAAGCTCTCCCAAGTGAACCACTACTCAGCTAATGCCCTTAA 910

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QY 1022 TAGTAAAGAAAAAGGGGTATCAGTCTAATCTCATGAGAAAAAAGTCTTGGCAAAACTT 1081
DB 911 ---TAAAGAAAAAGGGGTATCAGTCTAATCTCATGAGAAAAAAGTCTTGGCAAAACTT 967
QY 1082 CTTAAGAGATGCTTTTATTTATGCTACAAATGATTTAGTCTTTTAAAGCTGTGTTGAG 1141
DB 968 CTTAAGAGATGCTTTTATTTATGCTACAAATGATTTAGTCTTTTAAAGCTGTGTTGAG 1027
QY 1142 ATTTGTTTTAGGTGGTGGTAAATGATGCTGATATCCCTTCACGTCTTCCCTACA 1201
DB 1028 ATTTGTTTTAGGTGGTGGTAAATGATGCTGATATCCCTTCACGTCTTCCCTACA 1087
QY 1202 TTACCACTACTACATGCTGGCAAGGTGAAGATCAGAGACTGAAAAATGATTTCTGCAA 1261
DB 1088 TTACCACTACTACATGCTGGCAAGGTGAAGATCAGAGACTGAAAAATGATTTCTGCAA 1147
QY 1262 CTCTCTTAAAGTTAGAAATGTTTCTGTTCAATTTACTTTTCTTAAATGATGTC 1317
DB 1148 CTCTCTTAAAGTTAGAAATGTTTCTGTTCAATTTACTTTTCTTAAATGATGTC 1203

RESULT 4

US-09-904-615-17
; Sequence 17, Application US/09904615
; Patent No. US20020026040A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 49 Human Secreted Proteins
; FILE REFERENCE: P2032P1
; CURRENT APPLICATION NUMBER: US/09/904,615
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/511,554
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/097,917
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/098,634
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 1291
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1279)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1286)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1290)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-904-615-17

Query Match 82.3%; Score 1084.4; DB 9; Length 1291;
Best Local Similarity 97.8%; Pred. No. 3e-294;
Matches 111; Conservative 1; Mismatches 17; Indels 7; Gaps 1;

QY 182 AAGAAAGAAACAAAGAGAGATGAAAAAGACATTAATGATGTCATCCAGCCAAACA 241
DB 75 AAGAGAGAAACATAGAGTGCACAAAGAGAAACAAAGACATTAATGATGTCATCCAGCCAAACA 134
QY 242 AGCCATCTGAATGAATGAAGAACCAATACCAACCTTACCCACCAAGAGCTTTATGAGCT 301
DB 135 AGCCATCTGAATGAATGAAGAACCAATACCAACCTTACCCACCAAGAGCTTTATGAGCT 194
QY 302 CCGGATTTGAACAGCCTCTGGGTCAATCACTTAAGAAACCAAGCTCAGGGTCTCAG 361
DB 195 CCGGATTTGAACAGCCTCTGGGTCAATCACTTAAGAAACCAAGCTCAGGGTCTCAG 254
QY 362 CGTGCTCAGCCCTACGAGCATCAATCTCCGGGAATCTTGTCTAGCACTCAACGGGTCAA 421

DB 255 CGTGCTCAGCCCTACGAGCATCAATCTCCGGGAATCTTGTCTAGCACTCAACGGGTCAA 314
QY 422 GGAATATCAATGAATTAATCCAGGTGGGAAACAGCATATGAATTAAGAAAGAA 481
DB 315 GGAATATCAATGAATTAATCCAGGTGGGAAACAGCATATGAATTAAGAAAGAA 374
QY 482 GCAAGGCACTAGGGGTGATCCAGATCATGTTGATGATGACATTTGTTGAAAT 541
DB 375 GCAAGGCACTAGGGGTGATCCAGATCATGTTGATGATGACATTTGTTGAAAT 434
QY 542 GTTTGTGTTAATATCTCTCTTTTGAAGATATAGGTTTGTCTACTGCTGT 601
DB 435 GTTTGTGTTAATATCTCTCTTTTGAAGATATAGGTTTGTCTACTGCTGT 494
QY 602 ATTTGTTGAATACCATTCCTGGGGTGGCTTTCTTTATTAATCTCTGCTCTCTG 661
DB 495 ATTTGTTGAATACCATTCCTGGGGTGGCTTTCTTTATTAATCTCTGCTCTCTG 554
QY 662 TCAGCATCCAAAGAGCTTTCCGTTGCTGGTGAAGGCAAGCTGGGAATGAACATGTT 721
DB 555 TCAGCATCCAAAGAGCTTTCCGTTGCTGGTGAAGGCAAGCTGGGAATGAACATGKT 614
QY 722 AGTTCTATCTTGGCTTCAATTTGAGATTTCTGCTGCTGGTGAATGTCATCAATGGG 781
DB 615 AGTTCTATCTTGGCTTCAATTTGAGATTTCTGCTGCTGGTGAATGTCATCAATGGG 674
QY 782 GTAGCTGGCCAAACATCTAGGGGCGTCTTTCTGAAAAAGGCAATTCAGCAGCTGATG 841
DB 675 GTAGCTGGCCAAACATCTAGGGGCGTCTTTCTGAAAAAGGCAATTCAGCAGCTGATG 744
QY 842 ATCTTCTCCCTCTTGAAGTTCTTCTGATCTTGGCAACAGCCATTTGGCAACAGCA 901
DB 735 ATCTTCTCCCTCTTGAAGTTCTTCTGATCTTGGCAACAGCCATTTGGCAACAGCA 794
QY 902 AACACCAACAACATATGCTGCTGCTGTTATTCAAATATGATGAAGCAACCTGTG 961
DB 795 AACACCAACAACATATGCTGCTGCTGTTATTCAAATATGATGAAGCAACCTGTG 854
QY 962 AACACCAACGCTCTTCAAGTCTCTCCAGATGAAGCAACATCACTAGCTAATGCCCC 1021
DB 855 AACACCAACGCTCTTCAAGTCTCTCCAGATGAAGCAACATCACTAGCTAATGCCCC 910
QY 1022 TAGTAAAGAAAAAGGGGTATCAGTCTAATCTCATGAGAAAAAAGTCTTGGCAAAACTT 1081
DB 911 ---TAAAGAAAAAGGGGTATCAGTCTAATCTCATGAGAAAAAAGTCTTGGCAAAACTT 967
QY 1082 CTTAAGAGATGCTTTTATTTATGCTACAAATGATTTAGTCTTTTAAAGCTGTGTTGAG 1141
DB 968 CTTAAGAGATGCTTTTATTTATGCTACAAATGATTTAGTCTTTTAAAGCTGTGTTGAG 1027
QY 1142 ATTTGTTTTAGGTGGTGGTAAATGATGCTGATATCCCTTCACGTCTTCCCTACA 1201
DB 1028 ATTTGTTTTAGGTGGTGGTAAATGATGCTGATATCCCTTCACGTCTTCCCTACA 1087
QY 1202 TTACCACTACTACATGCTGGCAAGGTGAAGATCAGAGACTGAAAAATGATTTCTGCAA 1261
DB 1088 TTACCACTACTACATGCTGGCAAGGTGAAGATCAGAGACTGAAAAATGATTTCTGCAA 1147
QY 1262 CTCTCTTAAAGTTAGAAATGTTTCTGTTCAATTTACTTTTCTTAAATGATGTC 1317
DB 1148 CTCTCTTAAAGTTAGAAATGTTTCTGTTCAATTTACTTTTCTTAAATGATGTC 1203

RESULT 5

US-10-055-098-17
; Sequence 17, Application US/10055098
; Publication No. US20030139954A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 49 Human Secreted Proteins
; FILE REFERENCE: P2032P1
; CURRENT APPLICATION NUMBER: US/10/055,098
; CURRENT FILING DATE: 2002-01-22


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PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/511,554
PRIORITY FILING DATE: EARLIER FILING DATE: 2000-02-23 PCT/US99/19330
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER:
PRIORITY FILING DATE: EARLIER FILING DATE: 1999-08-24
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/097,917
PRIORITY FILING DATE: EARLIER FILING DATE: 1998-08-25
PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/098,634
PRIORITY FILING DATE: EARLIER FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 170
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 17
LENGTH: 1291
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1279)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1286)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1290)
OTHER INFORMATION: n equals a,t,g, or c
US-10-055-098-17

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Query Match	82.3%	Score	1084.4	DB	13	Length	1291
Best Local Similarity	97.8%	Pred. No.	3e-294				
Matches 111; Conservative						17; Indels	7; Gaps
							1.

QY	182	AGAAAGAAACAAACAGAAAGGAATGAAAAAGACATATATATGATATCCAAAGCCAAACA	241
Db	75	AAAGGGAACATATAGAGGTGCCAAGAAACAAAGCATATATATGATATCAACAAGCCAAACA	134
QY	242	AGCCATGCTGAAGTAAATGAAACCATACCCAAACCCCTTACCCCAAGCAGCTTATAGGCT	301
Db	135	AGCCATGCTGAAGTAAATGAAACCATACCCAAACCCCTTACCCCAAGCAGCTTATAGGCT	194
QY	302	CTTGATTTCAACAGCCTCTGGGTTCAATCAACTTAGAAAACCAAGCTCAAGGCTGTCAG	361
Db	195	CCTGATTTCAACAGCCTCTGGGTTCAATCAACTTAGAAAACCAAGCTCAAGGCTGTCAG	254
QY	362	CGTGCTAGCCCTACGGGATCAATCTCCGGGAATCTTTGTACGAGTCAACCGGGTCAAA	421
Db	255	CGTGCTAGCCCTACGGGATCAATCTCCGGGAATCTTTGTACGAGTCAACCGGGTCAAA	314
QY	422	GGAATATACAAATGATTAATCCAAAGTGTGGGAACAGCATATGAACCTTAAAGAGAA	481
Db	315	GGAATATACAAATGATTAATCCAAAGTGTGGGAACAGCATATGAACCTTAAAGAGAA	374
QY	482	GCAAAAGGCACTAAGGGGTGATCCAGATCATGGTTGATGATGACATTTGGTTTGGAAAT	541
Db	375	GCAAAAGGCACTAAGGGGTGATCCAGATCATGGTTGATGATGACATTTGGTTTGGAAAT	434
QY	542	GTTTGTGTTTAAATATACCTCTCTCTTTAGAGAAGTATAGTTTGGCCCTCTACGTGTT	601
Db	435	GTTTGTGTTTAAATATACCTCTCTCTTTAGAGAAGTATAGTTTGGCCCTCTACGTGTT	494
QY	602	ATTGTGTGATAACCATTCGAGGGTGGCCTTTCTTTATATATCTGTGACTCTCTCTGTG	661
Db	495	ATTGTGTGATAACCATTCGAGGGTGGCCTTTCTTTATATATCTGTGACTCTCTCTGTG	554
QY	662	TCAGATCCAAAGACCTTCCCGTTGTCTGTGGAAAGGACGCTGGGAATGAACATGTT	721
Db	555	TCAGATCCAAAGACCTTCCCGTTGTCTGTGGAAAGGACGCTGGGAATGAACATGTT	614
QY	722	AGTTCTATCTGGCCCTTCATTGGAAGTGAATCTGTCTGTGAGTATGTCATCAATGGG	781
Db	615	AGTTCTATCTGGCCCTTCATTGGAAGTGAATCTGTCTGTGAGTATGTCATCAATGGG	674
QY	782	GTAGTGTGCCAAGACTAAGGCGCGTGTCTTTCTGAAAAAGCAATTTCAAGCAACGCTGATG	841
Db	675	GTAGTGTGCCAAGACTAAGGCGCGTGTCTTTCTGAAAAAGCAATTTCAAGCAACGCTGATG	734

QY	842	ATCTCTCCCTCTGGAGTCTTGTAAGCTGTGSCACAGGCCAATTTTGCAACCAAGCA	901
Db	735	ATCTCTCCCTCTTGGAGTCTTGTAAGCTGTGSCACAGGCCAATTTTGCAACCAAGCA	794
QY	902	AACACACAAACCAATATGTCTGTCTTGTTATTCCAAATATGTATGAAAGCAACCTGTG	961
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QY	962	ACACCAAGCTCTTCTGAGCTCCGCCAGATGCAACAACTACTAGCTAATAGCCCTTAA	1022
Db	855	ACACCAAGCTCTTCTGAGCTCCGCCAGATGCAACAACTACTAGCTAATAGCCCTTAA	910
QY	1022	TAGTAAAAAGAAAAAGGGGTATCAGTCTAATCTCATGAGAAAACTACTTGCAAAAATT	1081
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QY	1082	CTTAAGAAAGATGTCTTTATATGTCTCAACATGATTTCTAGTCTTTAAAAACGTGTGTGAG	1144
Db	968	CTTAAGAAAGATGTCTTTATATGTCTCAACATGATTTCTAGTCTTTAAAAACGTGTGTGAG	1027
QY	1142	ATTGTTTTTAAAGTGTGTCGTAAATGAATGCTGTATCTCCCTTCACTGTCTCTCTACA	1201
Db	1028	ATTGTTTTTAAAGTGTGTCGTAAATGAATGCTGTATCTCCCTTCACTGTCTCTCTACA	1087
QY	1202	TTACCACTACTACATGCTGCGCAAGGTGAAGAGATCAGAGACGTAAAAATGATTTCTGCA	1261
Db	1088	TTACCACTACTACATGCTGCGCAAGGTGAAGAGATCAGAGACGTAAAAATGATTTCTGCA	1147
QY	1262	CTCTCTAAAGTTGAAGATGTTCTGTCAATATACGTTTTTCCCTAATPAAAAATGTC	1317
Db	1148	CTCTCTAAAGTTGAAGATGTTCTGTCAATATACGTTTTTCCCTAATPAAAAATGTC	1203

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RESULT 6
US-10-054-988-17
; Sequence 17, Application US/10054988
; Publication No. US20030087341A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 49 Human Secreted Proteins
; FILE REFERENCE: P2032P1
; CURRENT APPLICATION NUMBER: US/10/054,988
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/904,615
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/511,554
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/097,917
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/098,634
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 1291
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1279)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1286)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1250)
; OTHER INFORMATION: n equals a,t,g, or c
; US-10-054-988-17

```

Query Match	82.3%	Score 1084.4	DB 15	Length 1221
Best Local Similarity	97.8%	Pred. No. 3e-294		
Matches 111; Conservative	1	Mismatches 17	Indels 7	Gaps 1

QY 182 AAGAAAGAAACAAACAGAGAGAGAAATGAAAAAGACATATGATGATCCAGCCAAAC 241
 DB 75 AAGAGAGAAACATAGAGGTGCCAAAGAGACAAAGACATATGATGATCCAGCCAAAC 134
 QY 242 AGCCATGCTGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAAT 301
 DB 135 AGCCATGCTGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAAT 194
 QY 302 CCTGATTTCAACAGCCTTGCGGTTCATCACTTGAAGAAACCAAGCTCAGGGTCTCAG 361
 DB 195 CCGATTTTCAACAGCCTTGCGGTTCATCACTTGAAGAAACCAAGCTCAGGGTCTCAG 254
 QY 362 CCGTCTCAGCCCTCAGCCATCACTCCCGGGAATCTTCTGAGCTCAACCGGGTCA 421
 DB 255 CCGTCTCAGCCCTCAGCCATCACTCCCGGGAATCTTCTGAGCTCAACCGGGTCA 314
 QY 422 GGAATATATCAATATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 481
 DB 315 GGAATATATCAATATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 374
 QY 482 GCAAGGACATAGGGGTGATCCAGATCAGTGGATGATGATGATGATGATGATGATGAT 541
 DB 375 GCAAGGACATAGGGGTGATCCAGATCAGTGGATGATGATGATGATGATGATGATGAT 434
 QY 542 GTTTGTGTTAATATCTCTCTTTAGAGAGATATAGTTTGTCTCTCTCTCTCTCTCT 601
 DB 435 GTTTGTGTTAATATCTCTCTTTAGAGAGATATAGTTTGTCTCTCTCTCTCTCTCT 494
 QY 602 ATGATGATATACCATCTGAGGGGTGAGCTTCTTTATATATCTCTCTCTCTCTCTCT 661
 DB 495 ATGATGATATACCATCTGAGGGGTGAGCTTCTTTATATATCTCTCTCTCTCTCTCT 554
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 DB 555 TCAGCATCAAGAGCTTCCCGTGTCTGTGAAGAGCAGCCTGGAAATGAATGATGATGAT 614
 QY 722 AGTTCTATCTTGAGCTTCAATGAGATCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 781
 DB 615 AGTTCTATCTTGAGCTTCAATGAGATCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 674
 QY 782 GTAGCTGCAAGAGCTGAGGCGGTCTTCTGGAAGAGCATTTCAGCCAGCCTGATG 841
 DB 675 GTAGCTGCAAGAGCTGAGGCGGTCTTCTGGAAGAGCATTTCAGCCAGCCTGATG 734
 QY 842 ATCTTCTCCCTTGAAGCTTCTGTGATGCTGTGCAAGCCATTTTGCACCAACAGCA 901
 DB 735 ATCTTCTCCCTTGAAGCTTCTGTGATGCTGTGCAAGCCATTTTGCACCAACAGCA 794
 QY 902 AACACCCCAACCAATATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 961
 DB 795 AACACCCCAACCAATATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 854
 QY 962 AACACCCAGCTTCTTCAAGCTCTCCAGATGCAACACTACTAGCTAAATGCCCTAAA 1021
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 QY 1022 TAGTAAAGAAAGAGGGGTATCACTATCTCATGAGAAACCTAATTGCAAAAACCTT 1081
 DB 911 ---TAAAGAAAGAGGGGTATCACTATCTCATGAGAAACCTAATTGCAAAAACCTT 967
 QY 1082 CTTAAGAGAGATGCTTTTATGTTTATGATGATGATGATGATGATGATGATGATGATGAT 1141
 DB 968 CTTAAGAGAGATGCTTTTATGTTTATGATGATGATGATGATGATGATGATGATGATGAT 1027
 QY 1142 ATTTGTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1201
 DB 1028 ATTTGTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1087
 QY 1202 TTACCACTACTACATGCTGCAAGAGATCAAGAGATCAAGAGATCAAGAGATCAAGAGAT 1261
 DB 1088 TTACCACTACTACATGCTGCAAGAGATCAAGAGATCAAGAGATCAAGAGATCAAGAGAT 1147

QY 1262 CTCCTTAAAGTGAAGATGTTCTGTTCAATATCTTTTCTTAAATAATGTC 1317
 DB 1148 CTCCTTAAAGTGAAGATGTTCTGTTCAATATCTTTTCTTAAATAATGTC 1203
 RESULT 7
 US-09-739-254-61
 ; Sequence 61, Application US/09739254
 ; Patent No. US20010021700A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: 49 Human Secreted Proteins
 ; FILE REFERENCE: P2032P1
 ; CURRENT APPLICATION NUMBER: US/09/739,254
 ; EARLIER FILING DATE: 2000-12-19
 ; EARLIER APPLICATION NUMBER: 09/511,554
 ; EARLIER FILING DATE: 2000-02-23
 ; EARLIER APPLICATION NUMBER: PCT/US99/19330
 ; EARLIER FILING DATE: 1999-08-24
 ; EARLIER APPLICATION NUMBER: 60/097,917
 ; EARLIER FILING DATE: 1998-08-25
 ; EARLIER APPLICATION NUMBER: 60/098,634
 ; EARLIER FILING DATE: 1998-08-31
 ; NUMBER OF SEQ ID NOS: 170
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 61
 ; LENGTH: 1292
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (71)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (697)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (1280)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (1287)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (1291)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; US-09-739-254-61
 Query Match 81.9%; Score 1079; DB 9; Length 1292;
 Best Local Similarity 97.3%; Pred. No. 1e-292;
 Matches 1105; Conservative 4; Mismatches 20; Indels 7; Gaps 1;
 QY 182 AAGAAAGAAACAAACAGAGAGAGAAATGAAAAAGACATATGATGATCCAGCCAAAC 241
 DB 76 AAGAGAGAAACATAGAGGTGCCAAAGAGACAAAGACATATGATGATCCAGCCAAAC 135
 QY 242 AGCCATGCTGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAAT 301
 DB 136 AGCCATGCTGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAAT 195
 QY 302 CCTGATTTCAACAGCCTTGCGGTTCATCACTTGAAGAAACCAAGCTCAGGGTCTCAG 361
 DB 196 CCGATTTTCAACAGCCTTGCGGTTCATCACTTGAAGAAACCAAGCTCAGGGTCTCAG 255
 QY 362 CCGTCTCAGCCCTCAGCCATCACTCCCGGGAATCTTCTGAGCTCAACCGGGTCA 421
 DB 256 CCGTCTCAGCCCTCAGCCATCACTCCCGGGAATCTTCTGAGCTCAACCGGGTCA 315
 QY 422 GGAATATATCAATATGAATGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 481

Db 316 GGAAATATACAAATGATTAATCCAGTGTGGGAAACAGCACTAATGAATTAAAGAGAA 375
Qy 482 GCAAGGCACTAGGGGATCCAGATCATGGTGAATGACATTTGGATTT 541
Db 376 GCAAGGCACTAGGGGATCCAGATCATGGTGAATGACATTTGGATTT 435
Qy 542 GTTTGTGTTAATATCTCTCTTTAGAGAAATTAAGTTTTCCTCTACCTGCTGT 601
Db 436 GTTTGTGTTAATATCTCTCTTTAGAGAAATTAAGTTTTCCTCTACCTGCTGT 495
Qy 602 ATTTGTGATTAATCCATTTGGGGTGGCTTTTATTAATCTCTGCTCTCTCTG 661
Db 496 ATTTGTGATTAATCCATTTGGGGTGGCTTTTATTAATCTCTGCTCTCTCTG 555
Qy 662 TCAGCATCAAGAGGCTTCCGCTGTCTGTGTAAGGCGCTGGGAATGAATTGTT 721
Db 556 TCAGCATCAAGAGGCTTCCGCTGTCTGTGTAAGGCGCTGGGAATGAATTGTT 615
Qy 722 AGTTCTATCTGAGCTTCAATTTGAGTGAATCTGCTGCTGCTGATATGTCATCAATGG 781
Db 616 AGTTCTATCTGAGCTTCAATTTGAGTGAATCTGCTGCTGCTGATATGTCATCAATGG 675
Qy 782 GTAGCTGCCCAAGACTACTGAGCGCTGCTTCTGAAAAAGCAATTTCAAGCAGCTGATG 841
Db 676 GTAGCTGCCCAAGACTACTGAGCGCTGCTTCTGAAAAAGCAATTTCAAGCAGCTGATG 735
Qy 842 ATCTTCTCTCTGAGTCTTCTGATGCTTGTGATGCTGATGCTGATGCTGATGCTGATG 901
Db 736 ATCTTCTCTCTGAGTCTTCTGATGCTTGTGATGCTGATGCTGATGCTGATGCTGATG 795
Qy 902 AACACCAACAACCAATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 961
Db 796 AACACCAACAACCAATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 855
Qy 962 AACACCAACGCTCTTCTGAGCTCTCTCCAGATGCAACAATCTCACTGCTGCTGCTG 1021
Db 856 AACACCAACGCTCTTCTGAGCTCTCTCCAGATGCAACAATCTCACTGCTGCTGCTG 911
Qy 1022 TACGTAAAGAAAAAGGGGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 1081
Db 912 TACGTAAAGAAAAAGGGGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 968
Qy 1082 CTTAAGAAATGCTTTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1141
Db 969 CTTAAGAAATGCTTTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1028
Qy 1142 ATTTGTTTTAGGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1201
Db 1029 ATTTGTTTTAGGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1088
Qy 1202 TTACCACTACTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1261
Db 1089 TTACCACTACTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1148
Qy 1262 CTTCTTAAAGTAAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1317
Db 1149 CTTCTTAAAGTAAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1204

RESULT 8

US-09-904-615-61
Sequence 61, Application US/09904615
Patent No. US20020026040A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 49 Human Secreted Proteins
FILE REFERENCE: P2032P1
CURRENT APPLICATION NUMBER: US/09/904, 615
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/511, 554
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/097, 917
PRIOR FILING DATE: 1998-08-25

PRIOR APPLICATION NUMBER: 60/098, 634
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 170
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 61
LENGTH: 1292
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (71)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1280)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1287)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1291)
OTHER INFORMATION: n equals a,t,g, or c
US-09-904-615-61

Query Match 81.9%; Score 1079; DB 9; Length 1292;
Best Local Similarity 97.3%; Pred. No. 1e-292;
Matches 1105; Conservative 4; Mismatches 20; Indels 7; Gaps 1;

Qy 182 AAGAAAGAAACAAACAGAGAGATGAAAGACATATGATGATGATGATGATGATGATGATG 241
Db 76 AAGAGAGAAACATAGAGGTGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 135
Qy 242 AGCAGTCTGAGTAAATGAAACATGACCAACCTTACCAACCAAGAGCTTTATGCT 301
Db 136 AGCAGTCTGAGTAAATGAAACATGACCAACCTTACCAACCAAGAGCTTTATGCT 195
Qy 302 CCGTGAATTTCAACAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 361
Db 196 CCGTGAATTTCAACAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 255
Qy 362 CGGCTCAGCCCTCAAGGATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 421
Db 256 CGGCTCAGCCCTCAAGGATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 315
Qy 422 GGAATATATCAATGATTAATCAAGTGTGGGAAACAGAGATGAACTTTAAAGAGAA 481
Db 316 GGAATATATCAATGATTAATCAAGTGTGGGAAACAGAGATGAACTTTAAAGAGAA 375
Qy 482 GCAAGGCACTAGGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 541
Db 376 GCAAGGCACTAGGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 435
Qy 542 GTTTGTGTTAATATCTCTCTTTAGAGAAATTAAGTTTTCCTCTACCTGCTGT 601
Db 436 GTTTGTGTTAATATCTCTCTTTAGAGAAATTAAGTTTTCCTCTACCTGCTGT 495
Qy 602 ATTTGTGATTAATCCATTTGGGGTGGCTTTTATTAATCTCTGCTCTCTCTG 661
Db 496 ATTTGTGATTAATCCATTTGGGGTGGCTTTTATTAATCTCTGCTCTCTCTG 555
Qy 662 TCAGCATCAAGAGGCTTCCGCTGTCTGTGTAAGGCGCTGGGAATGAATTGTT 721
Db 556 TCAGCATCAAGAGGCTTCCGCTGTCTGTGTAAGGCGCTGGGAATGAATTGTT 615
Qy 722 AGTTCTATCTGAGCTTCAATTTGAGTGAATCTGCTGCTGCTGATATGTCATCAATGG 781
Db 616 AGTTCTATCTGAGCTTCAATTTGAGTGAATCTGCTGCTGCTGATATGTCATCAATGG 675
Qy 782 GTAGCTGCCCAAGACTACTGAGCGCTGCTTCTGAAAAAGCAATTTCAAGCAGCTGATG 841
Db 676 GTAGCTGCCCAAGACTACTGAGCGCTGCTTCTGAAAAAGCAATTTCAAGCAGCTGATG 735

QY 842 ATCTTCCCTCTTGAGTCTTCTGAGCTTGTGCGCAAGCCCATTTTGGCAACGA 901
 DB 736 ATCTTCCCTCTTGAGTCTTCTGAGCTTGTGCGCAAGCCCATTTTGGCAACGA 795
 QY 902 AACACCAACAATATGTCTGTCTGCTTATTCGAATATGATGAACCAACCTGTG 961
 DB 796 AACACCAACAATATGTCTGTCTGCTTATTCGAATATGATGAACCAACCTGTG 855
 QY 962 AACACCAAGCTTCTTCAAGCTCTCTCCAGATGCAACACTCACTCAATATGCCCTAAA 1021
 DB 856 AACACCAAGCTTCTTCAAGCTCTCTCCAGATGCAACACTCACTCAATATGCCCTAAA 911
 QY 1022 TAGTAAAGAAAAGGGGTATCACTCAATCTCAATGAGAAAACCTTCTGCAAAAATT 1081
 DB 912 ---TAAAGAAAAGGGGTATCACTCAATCTCAATGAGAAAACCTTCTGCAAAAATT 968
 QY 1082 CTTAAGAAAGTCTTATTTATGCTCAATGATATTTCTAGTCTTAAACCTGTGTGAG 1141
 DB 969 CTTAAGAAAGTCTTATTTATGCTCAATGATATTTCTAGTCTTAAACCTGTGTGAG 1028
 QY 1142 ATTTGTTTTAGTGTGCTGCTAAATGATGAGCTGATCTCCCTTCACTGTCTTCTACA 1201
 DB 1029 ATTTGTTTTAGTGTGCTGCTAAATGATGAGCTGATCTCCCTTCACTGTCTTCTACA 1088
 QY 1202 TTACCACTACTACATGCTGCGAAAGGTGAAGATCAAGAGACTGAAAATGATTTCTGAA 1261
 DB 1089 TTACCACTACTACATGCTGCGAAAGGTGAAGATCAAGAGACTGAAAATGATTTCTGAA 1148
 QY 1262 CTCTCTTAAAGTGAATATGTTCTGTTCAATATTAATTTCTTAAATTAATGTC 1317
 DB 1149 CTCTCTTAAAGTGAATATGTTCTGTTCAATATTAATTTCTTAAATTAATGTC 1204

RESULT 9

US-10-055-098-61

Sequence 61, Application US/10055098

Publication NO. US20030139954A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 49 Human Secreted Proteins

FILE REFERENCE: P2032P1

CURRENT APPLICATION NUMBER: US/10/055, 098

CURRENT FILING DATE: 2002-01-22

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/511,554

PRIOR FILING DATE: EARLIER FILING DATE: 2000-02-23

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US99/19330

PRIOR FILING DATE: EARLIER FILING DATE: 1999-08-24

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/097,917

PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-25

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/098,634

PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-31

NUMBER OF SEQ ID NOS: 170

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 61

LENGTH: 1292

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (71)

OTHER INFORMATION: n equals a,t,g, or c

NAME/KEY: SITE

LOCATION: (697)

OTHER INFORMATION: n equals a,t,g, or c

NAME/KEY: SITE

LOCATION: (1280)

OTHER INFORMATION: n equals a,t,g, or c

NAME/KEY: SITE

LOCATION: (1287)

OTHER INFORMATION: n equals a,t,g, or c

NAME/KEY: SITE

LOCATION: (1291)

OTHER INFORMATION: n equals a,t,g, or c
 US-10-055-098-61

Query Match 81.9%; Score 1079; DB 13; Length 1292;
 Best Local Similarity 97.3%; Pred. No. 1e-292;
 Matches 1105; Conservative 4; Mismatches 20; Indels 7; Gaps 1;

QY 182 AAGAAAGAAACAACAAGAGAGAAATGAAAAAGACATATGATGATCATCAAGCCAA 241
 DB 76 AAGAGAGAAACAATAGAGTGGCCAAAGAGACAAAGACATATGATGATCATCAAGCCAA 135
 QY 242 AGCCATGCTGAAGTAAATGAACCAATACCAACCTTACCCCAAGACAGCTTATGCT 301
 DB 136 AGCCATGCTGAAGTAAATGAACCAATACCAACCTTACCCCAAGACAGCTTATGCT 195
 QY 302 CCTGAAATTCACAGCCTCTGCGGTCAATCACTTGAAGAAACCAAGCTCAGGCTCAG 361
 DB 196 CCTGAAATTCACAGCCTCTGCGGTCAATCACTTGAAGAAACCAAGCTCAGGCTCAG 255
 QY 362 CCGTCTCAGCCCTACGGGATCACTCTCGGGGAATCTTGTGCTGAGTCAACCGGGTCAA 421
 DB 256 CCGTCTCAGCCCTACGGGATCACTCTCGGGGAATCTTGTGCTGAGTCAACCGGGTCAA 315
 QY 422 GGAATATACAAATGATTAATCCAGTGTGGAACAGAGTAAATGAATTTAAAGAA 481
 DB 316 GGAATATACAAATGATTAATCCAGTGTGGAACAGAGTAAATGAATTTAAAGAA 375
 QY 482 GCAAGGCACTAGGGGTATCCAGATCATGCTTGAATGATGCAATTTGTTGAAT 541
 DB 376 GCAAGGCACTAGGGGTATCCAGATCATGCTTGAATGATGCAATTTGTTGAAT 435
 QY 542 GTTTGTTTATATATCTCTCTTTAGAGATTAAGTTTGTGCTGCTAGCTGT 601
 DB 436 GTTTGTTTATATATCTCTCTTTAGAGATTAAGTTTGTGCTGCTAGCTGT 495
 QY 602 ATTTGATATACCATCTTCTGCGGTGCTTTCTTTATTAATCTCTGCTCTCTGTG 661
 DB 496 ATTTGATATACCATCTTCTGCGGTGCTTTCTTTATTAATCTCTGCTCTCTGTG 555
 QY 662 TCAAGATCCAGAGCTTCCCGTGTCTGTGTGAAGGCAAGCTGGGAATGAACATTGTT 721
 DB 556 TCAAGATCCAGAGCTTCCCGTGTGTGTGAAGGCAAGCTGGGAATGAACATTGTT 615
 QY 722 AGTTTATCTTGCGCTTCAATGAGTATCTGCTGTGTGATATGATCAATGGG 781
 DB 616 AGTTTATCTTGCGCTTCAATGAGTATCTGCTGTGTGATATGATCAATGGG 675
 QY 782 GTAGCTGGCCAAAGACTAGTGGGCGTGTCTTCTGAAAAGCAATTTCAAGCAGCTGATG 841
 DB 676 GTAGCTGGCCAAAGACTAGTGGGCGTGTCTTCTGAAAAGCAATTTCAAGCAGCTGATG 735
 QY 842 ATCTTCCCTCTTGGAGTCTTCTGATGCTTGTGCGCAAGCCCATTTTGGCAACGA 901
 DB 736 ATCTTCCCTCTTGGAGTCTTCTGATGCTTGTGCGCAAGCCCATTTTGGCAACGA 795
 QY 902 AACACCAACAATATGCTGTCTGCTTATTCGAATATGATGAACCAACCTGTG 961
 DB 796 AACACCAACAATATGCTGTCTGCTTATTCGAATATGATGAACCAACCTGTG 855
 QY 962 AACACCAAGCTTCTTCAAGCTCTCTCCAGATGCAACACTCACTCAATATGCCCTAAA 1021
 DB 856 AACACCAAGCTTCTTCAAGCTCTCTCCAGATGCAACACTCACTCAATATGCCCTAAA 911
 QY 1022 TAGTAAAGAAAAGGGGTATCACTCAATCTCAATGAGAAAACCTTCTGCAAAAATT 1081
 DB 912 ---TAAAGAAAAGGGGTATCACTCAATCTCAATGAGAAAACCTTCTGCAAAAATT 968
 QY 1082 CTTAAGAAAGTCTTATTTATGCTCAATGATATTTCTAGTCTTAAACCTGTGTGAG 1141
 DB 969 CTTAAGAAAGTCTTATTTATGCTCAATGATATTTCTAGTCTTAAACCTGTGTGAG 1028
 QY 1142 ATTTGTTTTAGTGTGCTGCTAAATGATGAGCTGATCTCCCTTCACTGTCTTCTACA 1201

Db 1029 ATTGTTTGTAGTGTGCTGATATGATGCTGTATCTCCCTTCACTGCTCTCTACCA 1088
Qy 1202 TTACCACTACTACATGCTGGCAAGGTGAAGATCAGAGACGTGAATAATGATTGCGAA 1261
Db 1089 TTACCACTACTACATGCTGGCAAGGTGAAGATCAGAGACGTGAATAATGATTGCGAA 1148
Qy 1262 CTCTCTTAAAGTTAGAAATGTTTCTGTTCAATATCTTTTCCCTTAATAAATGTC 1317
Db 1149 CTCTCTTAAAGTTAGAAATGTTTCTGTTCAATATCTTTTCCCTTAATAAATGTC 1204

RESULT 10
US-10-054-988-61
; Sequence 61, Application US/10054988
; Publication No. US20030087341A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 49 Human Secreted Proteins
; FILE REFERENCE: P2032P1
; CURRENT APPLICATION NUMBER: US/10/054,988
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/904,615
; PRIOR FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/511,554
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/097,917
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/098,634
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61
; LENGTH: 1292
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (71)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (697)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1280)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1287)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1291)
; OTHER INFORMATION: n equals a,t,g, or c
; US-10-054-988-61

Query Match 81.9%; Score 1079; DB 15; Length 1292;
Best Local Similarity 97.3%; Pred. No. 1e-292;
Matches 1105; Conservative 4; Mismatches 20; Indels 7; Gaps 1;

Qy 182 AAGAAAGAAACAAACAGAGAGAAATGAAAAAGACATATGATGTCATCCAGCCACAA 241
Db 76 AAGAGAGAAACATAGAGTCCCAAGAAACAAAGACATATGATGTCATCCAGCCACAA 135

Qy 242 AGCCATGCTGAAGTAATGAAACATACCAACCCCTTACCCACAGCAGCTTTAGGCT 301
Db 136 AGCCATGCTGAAGTAATGAAACATACCAACCCCTTACCCACAGCAGCTTTAGGCT 195

Qy 302 CCTGATTTCAACAGCCTCTGGGTTCAATCACTTGAAGAACCAAGCTCAGGGTGTGAG 361
Db 196 CCTGATTTCAACAGCCTCTGGGTTCAATCACTTGAAGAACCAAGCTCAGGGTGTGAG 255

Qy 362 CGTGCTACGCTTACGCGATCACAATCTCCGGAAATCTTTGCTAGACGTCAACCGGGTCAA 421
Db 256 CGTGCTACGCTTACGCGATCACAATCTCCGGAAATCTTTGCTAGACGTCAACCGGGTCAA 315

Qy 422 GGAATATATCAATATGATTAATCCAGATGTGGGAACAGATATGAATCTTAAAGAGAA 481
Db 316 GGAATATATCAATATGATTAATCCAGATGTGGGAACAGATATGAATCTTAAAGAGAA 375

Qy 482 GCAAAGCACTAGGGGTATCCAGATCATGTGATGATGACATTTGTTGGAATT 541
Db 376 GCAAAGCACTAGGGGTATCCAGATCATGTGATGATGACATTTGTTGGAATT 435

Qy 542 GTTTGTGTTTAATATCTCTCTTTTAAAGAAATATAGTTTCCCTTACTGCTGT 601
Db 436 GTTTGTGTTTAATATCTCTCTTTTAAAGAAATATAGTTTCCCTTACTGCTGT 495

Qy 602 ATTGATGATATCCATCTTGGGGTGCCCTTCTTTATATCTGGCTCTCTCTGTG 661
Db 496 ATTGATGATATCCATCTTGGGGTGCCCTTCTTTATATCTGGCTCTCTCTGTG 555

Qy 662 TCAGATCCAGAGCTTCCGTTGTCTGTGAAAGAGCCTGGAAATGAACATTTGT 721
Db 556 TCAGATCCAGAGCTTCCGTTGTCTGTGAAAGAGCCTGGAAATGAACATTTGT 615

Qy 722 AGTTCTATCTTGGCTTCAATGAGATTTCTGCTGCTGTGATATGTCATCAATGG 781
Db 616 AGTTCTATCTTGGCTTCAATGAGATTTCTGCTGCTGTGATATGTCATCAATGG 675

Qy 782 GTAGCTGGCCAGACTACTGGGCGCTTCTGGAAGAAAGCAATTCACCCAGCTGATG 841
Db 676 GTAGCTGGCCAGACTACTGGGCGCTTCTGGAAGAAAGCAATTCACCCAGCTGATG 735

Qy 842 ATCTTCTCCCTTGTGAGATCTTCTGATGCTGTGCAACGCCATTTTCCAAACAGCA 901
Db 736 ATCTTCTCCCTTGTGAGATCTTCTGATGCTGTGCAACGCCATTTTCCAAACAGCA 795

Qy 902 AACACCAACAACATATGCTGTCTGCTGTTATCCAAATATGATGAAGCAACCTGTG 961
Db 796 AACACCAACAACATATGCTGTCTGCTGTTATCCAAATATGATGAAGCAACCTGTG 855

Qy 962 ACACGAGGCTTCTTCCGCTCTCCGAGATGCAACATCTACGCTAATGCCCTTAA 1021
Db 856 ACACGAGGCTTCTTCCGCTCTCCGAGATGCAACATCTACGCTAATGCCCTTAA 911

Qy 1022 TAGTAAAGAAAGAGGATATGATCTATCTCATGAGAAAGAACTATCTGCAAAAAT 1081
Db 912 ---TAAAGAAAGAGGATATGATCTATCTCATGAGAAAGAACTATCTGCAAAAAT 968

Qy 1082 CTTAAGAGATGCTTTATATGCTATCAATGATTTCTAGCTTTTAAACCTGTGTTGAG 1141
Db 969 CTTAAGAGATGCTTTATATGCTATCAATGATTTCTAGCTTTTAAACCTGTGTTGAG 1028

Qy 1142 ATTGTTTGTAGTGTGCTGCTAATGATGCTGTATCTCCCTTCACTGCTCTTCTTACA 1201
Db 1029 ATTGTTTGTAGTGTGCTGCTAATGATGCTGTATCTCCCTTCACTGCTCTTCTTACA 1088

Qy 1202 TTACCACTACTACATGCTGGCAAGGTGAAGATCAGAGACGTGAATAATGATTGCGAA 1261
Db 1089 TTACCACTACTACATGCTGGCAAGGTGAAGATCAGAGACGTGAATAATGATTGCGAA 1148

Qy 1262 CTCTCTTAAAGTTAGAAATGTTTCTGTTCAATATCTTTTCCCTTAATAAATGTC 1317
Db 1149 CTCTCTTAAAGTTAGAAATGTTTCTGTTCAATATCTTTTCCCTTAATAAATGTC 1204

RESULT 11
US-09-925-299-727
; Sequence 727, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 727
LENGTH: 441
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (321)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (405)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (394)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (422)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (433)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (438)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-727

Query Match 29.6%; Score 389.6; DB 9; Length 441;
Best Local Similarity 96.6%; Pred. No. 5.6e-99;
Matches 427; Conservative 0; Mismatches 10; Indels 5; Gaps 3;

QY 113 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 172
DB 2 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 61
QY 173 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 232
DB 62 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 121
QY 233 AAGCCAAGCAAGCATGCTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 292
DB 122 AAGCCAAGCAAGCATGCTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 181
QY 293 TTTATGCTCTGATTTCAACAGCTCTGAGTTCAATCACTTAGAAAACCAAGCTCAG 352
DB 182 TTTATGCTCTGATTTCAACAGCTCTGAGTTCAATCACTTAGAAAACCAAGCTCAG 241
QY 353 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 412
DB 242 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 301
QY 413 CCGGGTCAAGGAATATCAATGATTAATCAAGTGTGGAAACAGAGTAATGAATCTT 472
DB 302 CCGGGTCAAGGAATATCAATGATTAATCAAGTGTGGAAACAGAGTAATGAATCTT 361
QY 473 AAA-GAAGAGCAAGGCACTA-GGGGTGATCCAGTCACTGTTGATGATGACATT 529
DB 362 AAAAGAAAGAGCAAGGCACTA-GGGGTGATCCAGTCACTGTTGATGATGATG--CCAT 419
QY 530 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 551
DB 420 TGTGTTGAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 441

RESULT 12
US-09-925-299-727
Sequence 727, Application US/09925299
Publication No. US20030040617A9
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

FILE REFERENCE: PA102
CURRENT APPLICATION NUMBER: US/09/925,299
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05883
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 727
LENGTH: 441
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (321)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (394)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (405)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (422)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (433)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (438)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-727

Query Match 29.6%; Score 389.6; DB 11; Length 441;
Best Local Similarity 96.6%; Pred. No. 5.6e-99;
Matches 427; Conservative 0; Mismatches 10; Indels 5; Gaps 3;

QY 113 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 172
DB 2 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 61
QY 173 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 232
DB 62 GAAGACAAGTTCTTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 121
QY 233 AAGCCAAGCAAGCATGCTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 292
DB 122 AAGCCAAGCAAGCATGCTGAATGATGAGGCAAGTTGAAATGAGGAGATTAACCAT 181
QY 293 TTTATGCTCTGATTTCAACAGCTCTGAGTTCAATCACTTAGAAAACCAAGCTCAG 352
DB 182 TTTATGCTCTGATTTCAACAGCTCTGAGTTCAATCACTTAGAAAACCAAGCTCAG 241
QY 353 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 412
DB 242 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 301
QY 413 CCGGGTCAAGGAATATCAATGATTAATCAAGTGTGGAAACAGAGTAATGAATCTT 472
DB 302 CCGGGTCAAGGAATATCAATGATTAATCAAGTGTGGAAACAGAGTAATGAATCTT 361
QY 473 AAA-GAAGAGCAAGGCACTA-GGGGTGATCCAGTCACTGTTGATGATGACATT 529
DB 362 AAAAGAAAGAGCAAGGCACTA-GGGGTGATCCAGTCACTGTTGATGATGATG--CCAT 419
QY 530 GGTGCTCAGGCTGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAG 551
DB 420 TGTGTTGAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 441

RESULT 13
US-09-803-719-494


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; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Escobedo, Jaime
; APPLICANT: Imrie, Michael A.
; APPLICANT: Garcia, Pablo Dominguez
; APPLICANT: Sudduth-Klinger, Julie
; APPLICANT: Reinhard, Christoph
; APPLICANT: Giese, Klaus
; APPLICANT: Randazzo, Filippo
; APPLICANT: Kennedy, Giulia C.
; APPLICANT: Pot, David
; APPLICANT: Kassam, Altaf
; APPLICANT: Lamson, George
; APPLICANT: Drmanac, Radoje
; APPLICANT: Ctkvenjakov, Radomir
; APPLICANT: Dickson, Mark
; APPLICANT: Drmanac, Snezana
; APPLICANT: Labat, Ivan
; APPLICANT: Leshkowitz, Dena
; APPLICANT: Kita, David
; APPLICANT: Garcia, Veronica
; APPLICANT: Jones, Lee William
; APPLICANT: Stache-Crain, Birgit
; TITLE OF INVENTION: Human Genes and Gene Products
; FILE REFERENCE: 1624.002
; CURRENT APPLICATION NUMBER: US/09/803,719
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,609
; NUMBER OF SEQ ID NOS: 2396
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 481
; LENGTH: 383
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(383)
; OTHER INFORMATION: n = A,T,C or G
US-09-803-719-481

Query Match      21.9%; Score 288.6; DB 11; Length 383;
Best Local Similarity 90.1%; Pred. No. 1.4e-70;
Matches 309; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

QY      172 TGAACGAAACAGAAAGAAACAAACGAAAGAGATGAAAGAAAGATGATGATGATC 231
      41 TGGAGCACAGAAAGAAAGATGAGAGTGCCAAAGAACTTAGACATAATGATGCTT 100
QY      232 CAAGCCAAAGAGCATGTAAGTAATGAAGCATACCAAGCCTTACCACCAAGCAG 291
      101 CAAGCCAAAGAGCATGTAAGTAATGAAGCATACCAAGCCTTACCACCAAGCAG 160
QY      292 CTTATGCTCTGATTTCAACAGCCTTGAGTTCAATCACTTAGAAAAACAAGCTCA 351
      161 TTTTATGGCTCTGATTTCAACAGCCTTGAGTTCAATCACTTAGAAAAACAAGCTCA 220
QY      352 GGGTCTCAGCGTCTCAGCGCTTACGCGATCACTTCCGGAAATCTTTGCTAGAGTCA 411
      221 TGGTCTCAGCGTCTCAGCGCTTACGCGATCACTTCCGGAAATCTTTGCTAGAGTCA 280
QY      412 ACCGGGTCAAGGAATATACAAATGATTAATCCAAAGTGGGAACAGAGTAATGAATT 471
      281 ACCGGGTCAAGGAATATATTAATGATTAATCCAAAGTGGGAACAGAGTAATGAATT 340
Db      281 ACCGGGTCAAGGAATATATTAATGATTAATCCAAAGTGGGAACAGAGTAATGAATT 340
QY      472 TAAAGAAAGAAAGCAAGGCACTAGGGGTGATCCAGATCATGGTT 514
      341 TAAAGAAAGAAAGCAAGGCACTAGGGGTGATCCAGATCATGGTT 383
Db      341 TAAAGAAAGAAAGCAAGGCACTAGGGGTGATCCAGATCATGGTT 383
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Search completed: December 14, 2003, 04:49:01
Job time : 427.97 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 20:16:11 ; Search time 39.9632 Seconds
(without alignments)
6439.084 Million cell updates/sec

Title: US-09-981-353-114 *

Perfect score: 583

Sequence: 1 cccctgtagtgctgcctcctg.....tatcgatgatgaatagtcga 583

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA: *
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6: /cgn2_6/prodata/2/ina/backfile81.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
C 1	216	37.0	958	3	US-09-049-672A-15	Sequence 15, App1
C 2	214.4	36.8	3819	3	US-09-042-353-393	Sequence 193, App1
C 3	214.4	36.8	3819	4	US-08-758-417A-243	Sequence 243, App1
C 4	212.8	36.5	2178	1	US-08-463-587A-24	Sequence 24, App1
C 5	212.8	36.5	2178	2	US-08-463-667A-2	Sequence 2, App1
C 6	212.8	36.5	2178	3	US-08-923-854-24	Sequence 24, App1
C 7	212.8	36.5	2178	5	PCT-US91-09133-25	Sequence 25, App1
C 8	212.8	36.5	7305	1	US-08-286-740-4	Sequence 4, App1
C 9	212.8	36.5	7305	5	PCT-US95-09576-4	Sequence 4, App1
C 10	212	36.4	468	1	US-08-236-311-11	Sequence 11, App1
C 11	212	36.4	468	3	US-08-457-918-11	Sequence 11, App1
C 12	212	36.4	468	1	US-08-157-101A-8	Sequence 8, App1
C 13	212	36.4	1066	1	US-08-157-101A-4	Sequence 4, App1
C 14	211.2	36.2	705	3	US-09-171-945-51	Sequence 51, App1
C 15	211.2	36.2	705	3	US-09-171-945-96	Sequence 96, App1
C 16	211.2	36.2	705	3	US-09-171-945-98	Sequence 98, App1
C 17	211.2	36.2	708	1	US-08-488-376-18	Sequence 18, App1
C 18	211.2	36.2	708	2	US-08-534-223-18	Sequence 18, App1
C 19	211.2	36.2	708	2	US-08-534-224-18	Sequence 18, App1
C 20	211.2	36.2	708	2	US-08-534-400-18	Sequence 18, App1
C 21	211.2	36.2	708	2	US-08-535-878-18	Sequence 18, App1
C 22	211.2	36.2	708	2	US-08-535-878-18	Sequence 18, App1
C 23	211.2	36.2	708	3	US-09-335-697B-18	Sequence 18, App1
C 24	211.2	36.2	708	4	US-09-335-697B-18	Sequence 18, App1
C 25	211.2	36.2	708	4	US-09-740-002-18	Sequence 18, App1
C 26	211.2	36.2	780	3	US-09-027-449-54	Sequence 54, App1
C 27	211.2	36.2	780	3	US-09-027-449-54	Sequence 58, App1

C 28	211.2	36.2	780	3	US-09-027-449-65	Sequence 65, App1
C 29	211.2	36.2	780	3	US-08-804-444A-54	Sequence 54, App1
C 30	211.2	36.2	780	3	US-08-804-444A-58	Sequence 58, App1
C 31	211.2	36.2	780	3	US-09-026-985-54	Sequence 54, App1
C 32	211.2	36.2	780	3	US-09-026-985-58	Sequence 58, App1
C 33	211.2	36.2	780	3	US-09-026-985-58	Sequence 58, App1
C 34	211.2	36.2	780	4	US-09-121-952A-54	Sequence 54, App1
C 35	211.2	36.2	780	4	US-09-121-952A-58	Sequence 58, App1
C 36	211.2	36.2	780	4	US-09-121-952A-65	Sequence 65, App1
C 37	211.2	36.2	780	4	US-09-234-340A-54	Sequence 54, App1
C 38	211.2	36.2	780	4	US-09-234-340A-58	Sequence 58, App1
C 39	211.2	36.2	780	4	US-09-234-340A-65	Sequence 65, App1
C 40	211.2	36.2	1576	5	PCT-US95-11405-34	Sequence 34, App1
C 41	211.2	36.2	2143	3	US-09-097-309-5	Sequence 9, App1
C 42	211.2	36.2	2143	3	US-09-097-171A-9	Sequence 9, App1
C 43	211.2	36.2	2143	4	US-09-460-587-5	Sequence 5, App1
C 44	211.2	36.2	6127	2	US-08-887-352B-1	Sequence 1, App1
C 45	211.2	36.2	6127	3	US-09-109-207C-1	Sequence 1, App1

ALIGNMENTS

RESULT 1
US-09-049-672A-15/c
Sequence 15, Application US/09049672A
Patent No. 6135941

GENERAL INFORMATION:
APPLICANT: Hallman, Jennifer L.
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Yue, Henry
APPLICANT: Au-Young, Janice
APPLICANT: Corley, Neil C.
APPLICANT: Giegler, Karl J.
APPLICANT: Baughn, Mariah R.
TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSES: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,672A
CLASSIFICATION: 536
FILING DATE: HERewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Carione, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0497 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:

INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 958 base pairs
TYPE: nucleic acid
STRADEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: ADENINB01

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,417A
FILING DATE: 02-Dec-1996
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992

ATTORNEY/AGENT INFORMATION:
NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 243:
SEQUENCE CHARACTERISTICS:
LENGTH: 3819 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 243:
US-08-758-417A-243

Query Match 36.8%; Score 214.4; DB 4; Length 3819;
Best Local Similarity 97.3%; Pred. No. 2.5e-55;
Matches 218; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

3 CTGTAGGTCCTGCTCTTCTGCTCTCTGTGACACTCTCTGGAGTACCCGATTGG 62
|||
3026 CTGTAGGTCCTGCTCTTCTGCTCTCTGTGACACTCTCTGGAGTACCCGATTGG 2967

63 AGGGGGTTATTCACCTTCCACTGTACTTTGGCCTCTCTGGAGTAAAGTTATTCAGCAG 122
|||
2966 AGGGGGTTATTCACCTTCCACTGTACTTTGGCCTCTCTGGAGTAAAGTTATTCAGCAG 2907

123 CACACAAGAGGAGGAGTTCAGATTTCACCTGCTCATCAGATGGCGGAAGATGAAGACA 182
|||
2906 CACACAAGAGGAGGAGTTCAGATTTCACCTGCTCATCAGATGGCGGAAGATGAAGACA 2847

183 GATGTGTCAGCCACAGTTGTTGATTCCTCAGCTCGAGCCGCTG 226
|||
2846 GATGTGTCAGCCACAGTTGTTGATTCCTCAGCTCGAGCCGCTG 2803

RESULT 4
US-08-463-587A-24/C
Sequence 24, Application US/08463587A
Patent No. 5821047

GENERAL INFORMATION:
APPLICANT: Garrard, Lisa J.
APPLICANT: Henner, Dennis J.
APPLICANT: Baas, Steven
APPLICANT: Greene, Ronald
APPLICANT: Lowman, Henry B.
APPLICANT: Wells, James A.
APPLICANT: Matthews, David J.

TITLE OF INVENTION: ENRICHMENT METHOD FOR VARIANT PROTEINS WITH
ALTERED BINDING PROPERTIES

NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,587A
FILING DATE: 05-Jun-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/050058
FILING DATE: 30-APR-1993
APPLICATION NUMBER: PCT/US91/09133
FILING DATE: 03-DEC-1991
APPLICATION NUMBER: 07/743614
FILING DATE: 09-AUG-1991
APPLICATION NUMBER: 07/715300
FILING DATE: 14-JUN-1991
APPLICATION NUMBER: 07/683400
FILING DATE: 10-APR-1991
APPLICATION NUMBER: 07/621667
FILING DATE: 03-DEC-1990

ATTORNEY/AGENT INFORMATION:
NAME: Schwartz, Timothy R.
REGISTRATION NUMBER: 32171
REFERENCE/DOCKET NUMBER: P0645P4D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-7467
TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 2178 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: linear

US-08-463-587A-24

Query Match 36.5%; Score 212.8; DB 1; Length 2178;
Best Local Similarity 96.9%; Pred. No. 5.7e-55;
Matches 217; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

3 CTGTAGGTCCTGCTCTTCTGCTCTCTGTGACACTCTCTGGAGTACCCGATTGG 62
|||
590 CTGTAGGTCCTGCTCTTCTGCTCTCTGTGACACTCTCTGGAGTACCCGATTGG 531

Qy 63 AGGGCGTTATCCACCTTCCACCTGATCTTTGGGCTCTCGGGATTAAGTTTTCAGAGG 122
Db 530 AGGGCGTTATCCACCTTCCACCTGATCTTTGGGCTCTCGGGATTAAGTTTTCAGAGG 471
Qy 123 CACACAACAGGCGAGTTCAGATTTCACTGCTCATCAGATGCGGGAGATGAGCA 182
Db 470 CACACAACAGGCGAGTTCAGATTTCACTGCTCATCAGATGCGGGAGATGAGCA 411
Qy 183 GATGTGTACAGCCACAGTTGTTTGATCTCCAGCTGAGCCGCTG 226
Db 410 GATGTGTACAGCCACAGTTGTTTGATCTCCAGCTGAGCCGCTG 367

RESULT 5
ITS-08-46

Sequence/, Application US/08463667A
 Patent No. 5834598
 GENERAL INFORMATION:
 APPLICANT: Gerrard, Lisa J.
 APPLICANT: Hennert, Dennis J.
 APPLICANT: Bass, Steven
 APPLICANT: Greene, Ronald
 APPLICANT: Lowman, Henry B.
 APPLICANT: Weller, James A.
 APPLICANT: Mathews, David J.
 TITLE OF INVENTION: ENRICHMENT METHOD FOR VARIANT PROTEINS
 NUMBER OF SEQUENCES: 59
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: United States
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/463,667A
 FILING DATE: 05-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/050,058
 FILING DATE: 30-APR-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US PCT/US91/09133
 FILING DATE: 03-DEC-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/743,614
 FILING DATE: 09-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/715,300
 FILING DATE: 14-JUN-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/683,400
 FILING DATE: 10-APR-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/621,667
 FILING DATE: 03-DEC-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Winter, Daryl B.
 REGISTRATION NUMBER: 32,637
 REFERENCE/DOCKET NUMBER: 645P4D1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 225-1249
 TELEFAX: (415) 953-9881
 TELEX: 910 371-7168
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:

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; LENGTH: 2178 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
;
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..711
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 796..2178
;
US-08-463-667A-2

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Query Match	36.5%;	Score 212.8;	DB 2;	Length 2178;
Best Local Similarity	96.9%;	Pred. No. 5.7e-55;		
Matches 217; Conservative	0;	Mismatches 7;	Indels 0;	

Oy 3 CTGTAAGGAGCTGCTCTTCTGCTGCTGCTGCACTCTCTGGAGAGTCAACCCGATTTG 62
 Db 590 CTGTAAGGAGCTGCTCTTCTGCTGCTGCTGCACTCTCTGGAGAGTCAACCCGATTTG 531
 Oy 63 AGGGCGTTATCCACTTCCTCACTGTACTTTGGCTCTCTGGATGAGAATTATTCACAG 122
 Db 530 AGGGCGTTATCCACTTCCTCACTGTACTTTGGCTCTCTGGATGAGAATTATTCACAG 471
 Oy 123 CACACACAGAGGCGAGTTCCAGATTTCATCTCTCATCAGATGGCGGGAAGTGAAGACA 182
 Db 470 CACACACAGAGGCGAGTTCCAGATTTCATCTCTCATCAGATGGCGGGAAGTGAAGACA 411
 Oy 183 GATGATGCGAGCACAGTGGTTGATCTCCACAGCTGAGCGCGCTG 226
 Db 410 GATGATGCGAGCACAGTGGTTGATCTCCACAGCTGAGCGCGCTG 367

RESULT 6

US-08-923-854-24/C
Sequence 24, Application US/08923854
Patent No. 6040136
GENERAL INFORMATION:
APPLICANT: Garrard, Lisa J.
APPLICANT: Henner, Dennis J.
APPLICANT: Baas, Steven
APPLICANT: Greene, Ronald
APPLICANT: Lowman, Henry B.
APPLICANT: Wells, James A.
APPLICANT: Matthews, David J.
TITLE OF INVENTION: ENRICHMENT METHOD FOR VARIANT PROTEINS WITH
TITLE OF INVENTION: ALTERED BINDING PROPERTIES
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Winpatentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/923,854
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/463587
FILING DATE: 05-Jun-1995
APPLICATION NUMBER: 08/05058
FILING DATE: 30-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/09133
FILING DATE: 03-DEC-1991


```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3711
TELEFAX: 202-822-0944
TELEX: 6714627 CUCH
INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 642 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-157-101A-8

Query Match      36.4% Score 212; DB 1; Length 642;
Best Local Similarity 97.7% Pred. No. 5,2e-55;
Matches 215; Conservative 0; Mismatches 5; Indels 0; Gaps 0

QY      3 CTGTAGTGCTGTCTCTTGCCTGCTCTGCTCTGTGACACTTCTCTGGAGTCAACCCGATTGG 62
Db      521 CTGTAGTGCTGTCTCTTGCCTGCTCTGCTCTGTGACACTTCTCTGGAGATTACCCGATTGG 462

QY      63 AGGCGGTATCCACCTTCCACTGTAATCTTGGCTCTCTGGGATGAAGTTATTACGACG 122
Db      461 AGGGGGTATCCACCTTCCACTGTAATCTTGGCTCTCTGGGATGAAGTTATTACGACG 402

QY      123 CACACAAAGAGGGCGAGTCCAGATTTCAGCTGCTCATCGATCAGAGGGCGGGAATGAAGACA 182
Db      401 CACACAAAGAGGGCGAGTCCAGATTTCAGCTGCTCATCGATCAGAGGGCGGGAATGAAGACA 342

QY      183 GATGGTGACGACCAAGTTGCTTGTGATCTTCACCTCGAGCC 222
Db      341 GATGGTGACGACCAAGTTGCTTGTGATCTTCACCTTGTGCTC 302

RESULT 13
US-08-157-101A-4/c
Sequence 4, Application US/08157101A
Patent No. 5808032
GENERAL INFORMATION:
APPLICANT: KURIHARA, TATSUYA
APPLICANT: MATSUKURA, SHIGEKAZU
APPLICANT: TSURUOKA, NOBUO
APPLICANT: ARIMA, KENJI
APPLICANT: NISHIHARA, TATSURO
TITLE OF INVENTION: ANTI-HBS ANTIBODY GENES AND EXPRESSION
TITLE OF INVENTION: PLASMIDS THEREFOR
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSER: PILLSBURY, MADISON & SUTRO
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/157,101A
FILING DATE: 05-APR-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: TITUS, MARLANA K
REGISTRATION NUMBER: 35843
REFERENCE/DOCKET NUMBER: 9437/204199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3711
TELEFAX: 202-822-0944
TELEX: 6714627 CUCH
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:

```


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QY 181 CAGATGTCGAGCCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGTTCTCTT 240
DB 181 CAGATGTCGAGCCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGTTCTCTT 240
QY 241 GATCGGGAATCTGCTCTTCTCTTCTGCGAATGGAAGCCCACTGCTGCTGCTG 300
DB 241 GATCGGGAATCTGCTCTTCTCTTCTGCGAATGGAAGCCCACTGCTGCTGCTG 300
QY 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
QY 361 AGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
DB 361 AGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
QY 421 GCAAGGGGATCAGAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 480
DB 421 GCAAGGGGATCAGAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 480
QY 481 GATATGAAAAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
DB 481 GATATGAAAAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
QY 541 CTACTGATTTTTTTTAAATGAAATGATGATGATGATGATGATGATGATGATG 583
DB 541 CTACTGATTTTTTTTAAATGAAATGATGATGATGATGATGATGATGATGATG 583

RESULT 2

US-10-044-090-584
Sequence 584, Application US/10044090
Publication No. US20020137081A1
GENERAL INFORMATION:
APPLICANT: Olga Bandman
TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION
FILE REFERENCE: PA-0028 US
CURRENT FILING DATE: 2002-01-09
CURRENT APPLICATION NUMBER: US/10/044,090
NUMBER OF SEQ ID NOS: 850
SOFTWARE: PERL Program
SEQ ID NO 584
LENGTH: 583
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020137081A1 2685676CB1
US-10-044-090-584

Query Match 100.0%; Score 583; DB 14; Length 583;
Best Local Similarity 100.0%; Pred. No. 8.2e-177;
Matches 583; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCGCTGAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
DB 1 CCGCTGAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
QY 61 GAGAGGGGTTATCCACTTCACTGTAATTGAGCTCTGCTGCTGCTGCTGCTGCTG 120
DB 61 GAGAGGGGTTATCCACTTCACTGTAATTGAGCTCTGCTGCTGCTGCTGCTGCTG 120
QY 121 GGCACACACAGAGGAGCTTCAAGATTCACTGCTCATCAGATGCGGGAAGATGAAGA 180
DB 121 GGCACACACAGAGGAGCTTCAAGATTCACTGCTCATCAGATGCGGGAAGATGAAGA 180
QY 181 CAGATGTCGAGCCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGCTGCTGCTT 240
DB 181 CAGATGTCGAGCCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGCTGCTGCTT 240
QY 241 GATCGGGAATCTGCTCTTCTCTTCTGCGAATGGAAGCCCACTGCTGCTGCTG 300
DB 241 GATCGGGAATCTGCTCTTCTCTTCTGCGAATGGAAGCCCACTGCTGCTGCTG 300

QY 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
QY 361 AGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
DB 361 AGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
QY 421 GCAAGGGGATCAGAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 480
DB 421 GCAAGGGGATCAGAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 480
QY 481 GATATGAAAAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
DB 481 GATATGAAAAGAGTGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
QY 541 CTACTGATTTTTTTTAAATGAAATGATGATGATGATGATGATGATGATGATG 583
DB 541 CTACTGATTTTTTTTAAATGAAATGATGATGATGATGATGATGATGATGATG 583

RESULT 3

US-10-084-817-179
Sequence 179, Application US/10084817
Publication No. US20030119009A1
GENERAL INFORMATION:
APPLICANT: Susan Stuart
APPLICANT: Jed G. Muchern
APPLICANT: Sharon E. Plon
APPLICANT: Jason M. Shohet
TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
FILE REFERENCE: PA-0046 US
CURRENT FILING DATE: 2002-02-25
CURRENT APPLICATION NUMBER: US/10/084,817
PRIOR FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 365
SOFTWARE: PERL Program
SEQ ID NO 179
LENGTH: 583
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20030119009A1 2685676CB1
US-10-084-817-179

Query Match 100.0%; Score 583; DB 15; Length 583;
Best Local Similarity 100.0%; Pred. No. 8.2e-177;
Matches 583; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCGTGAAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
DB 1 CCGTGAAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
QY 61 GAGAGGGGTTATCCACTTCACTGTAATTGAGCTCTGCTGCTGCTGCTGCTGCTG 120
DB 61 GAGAGGGGTTATCCACTTCACTGTAATTGAGCTCTGCTGCTGCTGCTGCTGCTG 120
QY 121 GGCACACACAGAGGAGCTTCAAGATTCACTGCTCATCAGATGCGGGAAGATGAAGA 180
DB 121 GGCACACACAGAGGAGCTTCAAGATTCACTGCTCATCAGATGCGGGAAGATGAAGA 180
QY 181 CAGATGTCGAGCCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGCTGCTGCTT 240
DB 181 CAGATGTCGAGCCAGATTGTTGATCTCCAGCTGAGCCGCTGCTGCTGCTGCTT 240
QY 241 GATCGGGAATCTGCTCTTCTCTTCTGCGAATGGAAGCCCACTGCTGCTGCTG 300
DB 241 GATCGGGAATCTGCTCTTCTCTTCTGCGAATGGAAGCCCACTGCTGCTGCTG 300
QY 301 TTGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360

Db	234	GTGTGCCCAAGGGCTGCATCTGTGC	AAAGGACGCTCAGACAAAGTGCAAGTGCAGTGTGTGCTCATG	293
Qy	461	TCGGGCAACCCCTGCTCCAAAGTATAGAA	AAAGTACCTGCACAACTTGA-----	512
Db	294	CCAGGCAAGCTGTGCTCTCAGATGTAAATAGAGCA	ACTTATATTAACCTGATTTTTTTT	353
Qy	513	ATTTTTTTTTTCATACAAACCTGCCCCCATCTACT--	GTATTTTTTTTATGAAATATGTGA	570
Db	354	TTTTTTTTTTTTGTAGAACCTTGACCCGGTGTCTACATCT	TTTTTTTTTCTATGAAATATGTGA	413
Qy	571	ATGATATATA	579	
Db	414	ATGCAATA	422	

```

: GENERAL INFORMATION:
: APPLICANT: Tang, Y. Tom
: APPLICANT: Liu, Chenghua
: APPLICANT: Zhou, Ping
: APPLICANT: Asundi, Vinod
: APPLICANT: Ren, Feiyan
: APPLICANT: Zhao, Qing A.
: APPLICANT: Xue, Aidong J.
: APPLICANT: Zhang, Jie
: APPLICANT: Wehrman, Tom
: APPLICANT: Wang, Jian-Rui
: APPLICANT: Dmanac, Radoje T
: TITLE OF INVENTION: No. US20030073099A1el Nucleic Acids and
: TITLE OF INVENTION: Polypeptides
: FILE REFERENCE: 791CIP2A
: CURRENT APPLICATION NUMBER: US/10/105,891
: CURRENT FILING DATE: 2002-03-25
: PRIOR APPLICATION NUMBER: 09/668,317
: PRIOR FILING DATE: 2000-09-22
: PRIOR APPLICATION NUMBER: 09/552,929
: PRIOR FILING DATE: 2000-04-18
: NUMBER OF SEQ ID NOS: 91
: SOFTWARE: pc_fl_genes Version 2.0
: SEQ ID NO 66
: LENGTH: 448
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (106)..(291)
US-10-105-891-66

Query Match      47.7%; Score 277.8; DB 15; Length 448;
Best Local Similarity 88.6%; Pred. No. 1.1e-78;
Matches 327; Conservative 0; Mismatches 32; Indels 10; Gaps 2

```

Oy	221	CCGCGGTGGTGTTCCTCTTGATGGGAAATCCCTGCTTCCTTGCTCGAAATGGACCC	280
Db	54	CCGCTGCTGTTCCTCTTGATGGGAAATCCCTGCTTCCTTGCTCGAAATGGACCC	113
Oy	281	CAACTGCTCCTGCTGCCTGTGGCTCCTGTGCTGCGGGCTTCGCAATGCAAGA	340
Db	114	CAACTGCTCCTGCTGCCTGTGGCTCCTGTGCTGCGGGCTTCGCAATGCAAGA	173
Oy	341	GTGCAATGCACTCCCTGCAAGAGACTGTGTCTCTGCTGCGGCTCTGAGGCTGTGCCAA	400
Db	174	GTGCAATGCACTCCCTGCAAGAGAGCTGTGTCTCTGCTGCGGCTCTGAGGCTGTGCCAA	233
Oy	401	GTGTGCCAGGGCTGCATCTGCAAAAGGGGCTCATGAGAAAGTCAAGCTGTGTGCTGATG	460
Db	234	GTGTGCCAGGGCTGCATCTGCAAAAGGAGCTCAGACAAGTGAAGCTGTGTGCTGATG	293
Oy	461	TCGCGACAGCCCTTGCTCGAAGATATAGAAAGATGACCTGCACAACTTGGAA-----	512

Db 294 CAGGACAGCTGTGCTCTCAGATGTAAATAGCAACCTAATATAACCTGATTTTTTTT 353
 Qy 513 ATTTTTTTTCATACACACCCTGCCCCCTACT--GTATTTTTTTTAAATGAATATGTA 570
 Db 354 TTTTTTTTTTTTGTACACACCTGACCCGGTTGCTACATCTTTTTTTCTATGAAATATGTGA 413
 Qy 571 ATGATATA 579
 Db 414 ATGGCAATA 422

RESULT 6
ITS-09-99

```

1      : Sequence 794, Application US/09880107
2      : Patent No. US20020142981A1
3      :
4      : GENERAL INFORMATION:
5      :
6      : APPLICANT: Horne, Darci T.
7      : APPLICANT: Vockley, Joseph G.
8      : APPLICANT: Scherf, Uwe
9      : APPLICANT: Gene Logic, Inc.
10     : TITLE OF INVENTION: Gene Expression Profiles In Liver Cancer
11     :
12     : FILE REFERENCE: 44921-5028-MO
13     : CURRENT APPLICATION NUMBER: US/09/880,107
14     : CURRENT FILING DATE: 2001-06-14
15     : PRIOR APPLICATION NUMBER: US 60/211,379
16     : PRIOR FILING DATE: 2000-06-14
17     : PRIOR APPLICATION NUMBER: US 60/237,054
18     : PRIOR FILING DATE: 2000-10-02
19     : NUMBER OF SEQ ID NOS: 3950
20     : SOFTWARE: PatentIn Ver. 2.1
21     : SEQ ID NO 3794
22     :
23     : LENGTH: 415
24     : TYPE: DNA
25     : ORGANISM: Homo sapiens
26     : FEATURE:
27     : OTHER INFORMATION: Genbank Accession No. US20020142981A1 X76717
28     : US-09-880-107-3794

```

Query Match	47.6%	Score 277.4;	DB 10;	Length 415;
Best Local Similarity	88.3%;	Pred. No. 1.4e-78;		
Matches 326;	Conservative 1;	Mismatches 32;	Indels 10;	Gaps 2;

Qy	221	CCGGCCGCGTTCCTCTCTGATCCGGAACTCTCTGCTCTCTCTCTGCTCTGCAAAATGACCC	280
Db	1	CCGCTGCGGTTCCTCTCTTGATCCGGAACTCTGCTCTCTCTGCTCTGCAAAATGACCC	60
Qy	281	CACTGCTCTCTGCTGGCCCTGTTGGCTCTGTGCTCTGTGCGCGCTCTCTGCAAAATGCAAGA	340
Db	61	CAACTGCTCTCTGCTCGCCCTGTGGCTCTGTGCTCTGTGCGCGCTCTCTGCAAAATGCAAGA	120
Qy	341	GTGCAAAATGCACTCCTGCAAGAAAGAGCTGCTCTGCTGCTGCTGCTGCTGTGGGCTGTGCCAA	400
Db	121	GTGCAAAATGCACTCCTGCAAGAAAGAGCTGCTCTCTGCTGCTGCTGCTGTGGGCTGTGCCAA	180
Qy	401	GTTGTCCTCCAGGCTGTCATCTGCMAAGGGGATCAGAAATGCAAGCTGCTGTGCTGTATG	460
Db	181	GTTGTCCTCCAGGCTGTCATCTGCMAAGGAGACTCAGCAAGTGCAGCTGCTGTGCTGTATG	240
Qy	461	TCCGAGCAGGCTGCTGCGAAGATATGAAAGAGTACCTGCAACAACTTGA-----	512
Db	241	CCAGAGCAGCTGTGCTCTCAGATGTAAATAGCAACCTATATTAACCTGATTTTTTTT	300
Qy	513	ATTTCCTTCATACAAACCTGCCCCATCTACT--GTATTTTTTTAAATGAATATGTGA	570
Db	301	TTTTTTTTTTTGTACAAACCTGACCGCTTGTCTACATCTTTTTTTCTATGAATAATGTGA	360
Qy	571	ATGATATA	579
Db	361	ATGGCATA	369

RESULT 7

```

US-09-873-319-720
Sequence 720. Application US/09873319A
Publication No. US20030134324A1
GENERAL INFORMATION:
APPLICANT: Munger, William E.
APPLICANT: Kulkarni, Prakash
APPLICANT: Getzenberg, Robert H.
APPLICANT: Waga, Iwao
APPLICANT: Yamamoto, Jun
TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic
TITLE OF INVENTION: Hyperplasia Using Gene Expression Profiles
FILE REFERENCE: 44921-5029-US
CURRENT APPLICATION NUMBER: US/09/873,119A
CURRENT FILING DATE: 2001-06-05
EARLIER APPLICATION NUMBER: US 60/223,323
EARLIER FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 755
SOFTWARE: PatentIn Ver. 2.1
SEQ.ID NO 720
LENGTH: 415
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20030134324A1 X76717
US-09-873-319-720

```

Query Match	47.6%	Score 277.4	DB 13	Length 415
Best Local Similarity	88.3%	Pred. No. 1,4e-78		
Matches 326	Conservative 1	Mismatches 32	Indels 10	Gaps 2

QY	221	CGCGCTCGCTGTTTTCTCTTGATCGGGAACCTGCTCTCTCTGCTGCTGGAATGACCC	280
Db	1	CGCGCTCGCTGTTTTCTCTTGATCGGGAACCTCTCTCTCTCTGCTGGAATGACCC	60
QY	281	CACTGCTCTCTGCTGCTGTGGCTCTCTGTGCTGTGCGGGCTCCTGCAAAATGCAAAA	340
Db	61	CACTGCTCTCTGCTGCTGTGGCTCTCTGTGCTGTGCGGGCTCCTGCAAAATGCAAAA	120
QY	341	GTGCAAAATGCACTCTCTGCAAGAAAGCTGCTCTGCTGCTGCTGCTGAGGCTGTGCCAA	400
Db	121	GTGCAAAATGCACTCTCTGCAAGAAAGCTGCTGCTCTGCTGCTGCTGCTGAGGCTGTGCCAA	180
QY	401	GTGTGCCAGGAGCTGCATCTGCAAAAGGGGCATCAGAGAAAGTCAAGCTGTGTGCTGTGATG	460
Db	181	GTGTGCCAGGAGCTGCATCTGCAAAAGGGGCATCAGAGAAAGTCAAGCTGTGTGCTGTGATG	240
QY	461	TCCGGAACAGCCCTGCTCGAAGATATAGAAAGGTGACTGTGCACAAACTTGG-----	512
Db	241	CCAGGACAGCTGTGCTCTCAGATGTAAATAGACAACCTATATAAACCTGGATTTTTTTTT	300
QY	513	ATTTTTTTTCCATAAACCCTGCCCATCTACT--GTATTTTTTTTAATGAATATGTGA	570
Db	301	TTTTTTTTTTTGTACACCCTGAGCCCGTTGTCTACATCTTTTTTTTCTATGAATATGTGA	360
QY	571	ATGATATA 579	
Db	361	ATGGCAATA 369	

RESULT & DISCUSSION

```

: Sequence 1087, Application US/09960706
: Publication No. US20030134280A1
:
: GENERAL INFORMATION:
:
: APPLICANT: Munger, William E.
:
: TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia
:
: TITLE OF INVENTION: Gene Expression Profiles
:
: FILE REFERENCE: 44921-5029-01US
:
: CURRENT APPLICATION NUMBER: US/09/960,706
:
: CURRENT FILING DATE: 2001-09-24
:
: PRIOR APPLICATION NUMBER: 60/223,323
:
: PRIOR FILING DATE: 2000-08-07
:
: PRIOR APPLICATION NUMBER: 09/873,319

```



```

RESULT 11
US-09-919-039-244
: Sequence 244, Application US/09919039
: Publication No. US20030108871A1
: GENERAL INFORMATION:
: APPLICANT: Kaser, Matthew R.
: TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
: FILE REFERENCE: PA-0035 US
: CURRENT APPLICATION NUMBER: US/09/919,039
: CURRENT FILING DATE: 2002-09-09
: PRIOR APPLICATION NUMBER: 60/222,113
: PRIOR FILING DATE: 2000-07-28
: NUMBER OF SEQ ID NOS: 401
: SOFTWARE: PERL Program
: SEQ ID NO 244
: LENGTH: 473
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURES:
: NAME/KEY: misc feature
: OTHER INFORMATION: Incyte ID No. US20030108871A1 167772CB1
US-09-919-039-244

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	Query Match	Best Local Similarity	Matches	Conservative	Score	DB	Length	Indels	Gaps
		88.1%	327	0	275.8	11	473	12	2
					Pred. No. 4.8e-78;				
					Mismatches 32;				
Oy	221	CCGCTGCCTGTATTTTCTTCCTTGATCGGAACCTCTGCTTCTCCTTGSCCTCGAAGTAGACC	280						
Db	56	CCGGCTGCGTATTTCCTCTTGATCGGAACCTCTGCTTCTCCTGCTCGAAATGAGACC	115						
Oy	281	CNACTGCTCTGCTGCTGCTGTTGGCTCCTGAGCCCTGTCGCCGCTCTGCAATGAGAAG	340						
Db	116	CAACTGCTCTGCTGCTGCTGTTGGCTCCTGAGCCCTGTCGCCGCTCTGCAATGAGAAG	175						
Oy	341	GTGCNAATGACACTCTCTGCAAGAAAGCTGCTCTCTGTCGCCCTGAGGCTGTGCCAA	400						
Db	176	GTGCNAATGACACTCTCTGCAAGAAAGCTGCTCTCTGTCGCCCTGAGGCTGTGCCAA	235						
Oy	401	GTGTGCCAAGGGCTGCATCTGCAAAAGGGCATCAAGAAAGTGCACACTGTGTGCTGATG	460						
Db	236	GTGTGCCAAGGGCTGCATCTGCAAAAGGGCATCAAGAAAGTGCACACTGTGTGCTGATG	295						
Oy	461	TCCGAGACGCCCTGCTCGAAGATATAGAAAAGATGACCTGCACAACCTTGA-----	512						
Db	286	CCAGAGACAGCTGTGCTTCAGATGTAAATAGCAACCATATATAACCTCGAATTTTTTTT	355						
Oy	513	--ATTATTTTTCATACAAACCTGCCCCATCTACT--GTATTTTTTTTAATGAAPATGT	568						
Db	356	TTTTTTTTTTTTTGTAGCAACCTGACCGGTGTGTACATCTTTTTTTTCTATGAATAATGT	415						
Oy	569	GAATGATATA 579							
Db	416	GAATGCAATA 426							

```

RESULT 12
US-09-880-107-2702/c
; Sequence 2702, Application US/09880107
; Patent No. US20020142981A1
GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
FILE REFERENCE: 44921-5028-WO
CURRENT APPLICATION NUMBER: US/09/880, 107
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 60/211, 379
PRIOR FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 60/237, 054
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 3950
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2702
LENGTH: 409
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020142981A1 N80129
NAME/KEY: unsure
LOCATION: (1) ..(409)
OTHER INFORMATION: n = a or c or g or t
US-09-880-107-2702

```

```

Query Match Similarity 42.1%; Score 245.2; DB 10; Length 409;
Best Local Similarity 88.0%; Pred. No. 3,1e-68;
Matches 324; Conservative 0; Mismatches 35; Indels 9; Gaps 5;

QY 221 CCGCTGCGTGTTCCTCTCTTG-ATCGGGAACTCTGCTTCTCTTGCCTCGAAATGAGACC 279
DB 382 CCGCTGCGTGTTCCTCTCTTGAAATCGGGAACTCTGCTTCTCTTGCCTCGAAATGAGACC 323
QY 280 CCAACTGTCCTGCG-TGGCGTGTGGGCTCTGTGGCTGTGGCGGGCTCGTGCAAATGCAAA 338
DB 322 CCAATGTCCTCGTGTGGCTGTGTGCTCTGTGCTGTGGCGGGCTCTGTCAAATGCAAA 263
QY 339 GAGTGCAAATGACACCTCTCTGCAAGAAAGACTGCTGTCC-TGCTGCCCTGTGGGCTGTGC 397
DB 262 GAGTGCAAATGACACTCTCTGCAAGAAAGACTGCTGTCCNTGTGCTGTGGGCTGTGC 203
QY 398 CAAGTGTGCCAGGGCTGTCATCTGCAAAGGGGATATAGAAAGTGCAGCTGTGTGCTTG 457
DB 202 CAAGTGTGCCAGGGCTGTCATCTGCAAAGGGGAGCTGACAAAGTGCAGCTGTGTGCTTG 143
QY 458 ATGTCCGAGACAGCCCTGTGCTGGAAGATATAGAAAGAGTGAAGCTGCACAACTTGGAA 513
DB 142 ATCCAGACAGACTGTGCTCTCAAGATGTAAATAGAGCAACCTATATAAACCTGGATTTT 83
QY 514 TTTTTCATATACAAACCTGTGCCACTACT-GTATTTTATATGAATATGTGAA 571
DB 82 TTTTTCATATACAAACCTGTGCCACTACTTTTTCATATGAATATGTGAA 23
QY 572 TGATATATA 579
DB 22 TGGCAATA 15

RESULT 13
; Sequence 1253, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer
; TITLE OF INVENTION: Gene Sets

```



```

; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1253
; LENGTH: 409
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(409)
; OTHER INFORMATION: n=a,t,c,g or c
; US-09-954-531-1253

```

```

Query Match          42.1%; Score 245.2; DB 10; Length 409;
Best Local Similarity 88.0%; Pred. No. 3.1e-68;
Matches 324; Conservative 0; Mismatches 35; Indels 9; Gaps 5;

```

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QY 221 CCGCTGGGTTTCTCTCTTG-ATCGGGAATCTCTGCTTCTCTGCTGGAATGAC 279
DB 382 CCGCTGGGTTTCTCTCTTGAAATCGGGAATCTCTGCTTCTCTGCTGGAATGAC 323
QY 280 CCAACTGCTCTGCTG-TCGCTGTGGCTCTCTGCTGCTGCTGCTGCTGCTGCTG 338
DB 322 CCAACTGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 263
QY 339 GAGTGGAAATGCACTCTCTGCAAGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 397
DB 262 GAGTGGAAATGCACTCTCTGCAAGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 203
QY 398 CAACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 457
DB 202 CAACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 143
QY 458 ATGTCCGAGCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 513
DB 142 ATGTCCGAGCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 83
QY 514 TTTTTCATCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 571
DB 82 TTTTTCATCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 23
QY 572 TGATATA 579
DB 22 TGCAATA 15

```

```

RESULT 14
US-09-873-319-502/c
; Sequence 502, Application US/09873319A
; Publication No. US20030134324A1
; GENERAL INFORMATION:
; APPLICANT: Munger, William E.
; APPLICANT: Kulikarni, Prakash
; APPLICANT: Getzenberg, Robert H.
; APPLICANT: Waga, Iwao
; APPLICANT: Yamamoto, Jun
; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic
; TITLE OF INVENTION: Hyperplasia Using Gene Expression Profiles
; FILE REFERENCE: 44921-5029-US
; CURRENT APPLICATION NUMBER: US/09/873,319A
; CURRENT FILING DATE: 2001-06-05

```

```

; EARLIER APPLICATION NUMBER: US 60/223,323
; EARLIER FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 755
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 502
; LENGTH: 409
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20030134324A1 N80129
; NAME/KEY: unsure
; LOCATION: (1)..(409)
; OTHER INFORMATION: n = a or c or g or t
; US-09-873-319-502

```

```

Query Match          42.1%; Score 245.2; DB 13; Length 409;
Best Local Similarity 88.0%; Pred. No. 3.1e-68;
Matches 324; Conservative 0; Mismatches 35; Indels 9; Gaps 5;

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QY 221 CCGCTGGGTTTCTCTCTTG-ATCGGGAATCTCTGCTTCTCTGCTGGAATGAC 279
DB 382 CCGCTGGGTTTCTCTCTTGAAATCGGGAATCTCTGCTTCTCTGCTGGAATGAC 323
QY 280 CCAACTGCTCTGCTG-TCGCTGTGGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 338
DB 322 CCAACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 263
QY 339 GAGTGGAAATGCACTCTCTGCAAGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 397
DB 262 GAGTGGAAATGCACTCTCTGCAAGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 203
QY 398 CAACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 457
DB 202 CAACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 143
QY 458 ATGTCCGAGCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 513
DB 142 ATGTCCGAGCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 83
QY 514 TTTTTCATCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 571
DB 82 TTTTTCATCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 23
QY 572 TGATATA 579
DB 22 TGCAATA 15

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RESULT 15
US-09-960-706-785/c
; Sequence 785, Application US/09960706
; Publication No. US20030134280A1
; GENERAL INFORMATION:
; APPLICANT: Munger, William E.
; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia
; FILE REFERENCE: 44921-5029-01US
; CURRENT APPLICATION NUMBER: US/09/960,706
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 60/223,323
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: 09/873,319
; PRIOR FILING DATE: 2001-06-05
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 785
; LENGTH: 409
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20030134280A1 N80129
; NAME/KEY: unsure

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 20:16:11 ; Search time 112.144 Seconds
(without alignments)
6439.084 Million cell updates/sec

Title: US-09-981-353-165

Perfect score: 1636
Sequence: 1 gacagctgctgagggagact.....ccaattcaagaagacctg 1636

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database: Issued Patents NA:*

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- 2: /cgn2_6/ptodata/2/ina/5B COMB.seq:*
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- 6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	780.4	47.7	1976	US-09-356-806-112	Sequence 112, App
2	775.6	47.4	2107	US-09-180-852-1	Sequence 1, Appl
3	766	46.8	2092	US-09-356-806-7	Sequence 7, Appl
4	750	45.8	1854	US-09-356-806-39	Sequence 39, Appl
5	574	35.1	1413	US-09-813-318-1	Sequence 1, Appl
6	329	20.1	2339	PCT-US92-00282-2	Sequence 2, Appl
7	319.8	19.5	2336	US-09-671-317-388	Sequence 388, App
8	319.2	19.2	1001	US-09-671-317-389	Sequence 389, App
9	314.2	19.2	1001	US-09-305-8568-17	Sequence 17, Appl
10	272.2	16.6	735	US-09-671-317-390	Sequence 390, App
11	223.6	13.7	1001	US-09-356-806-118	Sequence 118, App
12	200.2	12.2	2312	US-09-356-806-114	Sequence 114, App
13	197	12.0	1001	US-09-671-317-424	Sequence 424, App
14	195.8	12.0	1333	US-09-356-806-1	Sequence 45, Appl
15	195.4	11.9	596	US-09-356-806-45	Sequence 45, Appl
16	193.8	11.8	978	US-09-356-806-118	Sequence 118, App
17	191	11.7	1001	US-09-671-317-412	Sequence 412, App
18	188.4	11.5	1589	US-09-356-806-6	Sequence 6, Appl
19	186.4	11.4	1001	US-09-671-317-352	Sequence 352, App
20	185.2	11.3	1001	US-09-671-317-353	Sequence 353, App
21	185.2	11.3	1001	US-09-671-317-354	Sequence 354, App
22	182.2	11.1	1001	US-09-671-317-405	Sequence 405, App
23	179.8	11.0	1686	US-09-356-806-41	Sequence 41, Appl
24	162	9.9	1001	US-09-671-317-403	Sequence 403, App
25	145.6	8.9	391	US-09-370-838-21	Sequence 21, Appl
26	144.8	8.9	1602	US-09-356-806-117	Sequence 117, App
27	144.6	8.8	1591	US-09-356-806-44	Sequence 44, Appl

28	138.6	8.5	689	US-09-356-806-5	Sequence 5, Appl
29	134.2	8.2	1001	US-09-671-317-404	Sequence 404, App
30	124	7.6	983	US-09-671-317-386	Sequence 386, App
31	122.6	7.5	1001	US-09-671-317-427	Sequence 427, App
32	121.4	7.4	1001	US-09-671-317-413	Sequence 413, App
33	120.2	7.3	1001	US-09-671-317-415	Sequence 415, App
34	120.2	7.3	1001	US-09-671-317-417	Sequence 417, App
35	120.2	7.3	1001	US-09-356-806-115	Sequence 115, App
36	119.8	7.3	1001	US-09-671-317-414	Sequence 414, App
37	119.8	7.3	1001	US-09-671-317-416	Sequence 416, App
38	109.8	6.7	746	US-09-356-806-2	Sequence 2, Appl
39	109.8	6.7	1001	US-09-671-317-382	Sequence 382, App
40	108	6.6	1001	US-09-671-317-381	Sequence 381, App
41	102.6	6.3	1001	US-09-671-317-294	Sequence 294, App
42	101.4	6.2	1340	US-09-356-806-42	Sequence 42, App
43	98.6	6.0	1822	US-09-356-806-43	Sequence 43, App
44	97.4	6.0	1561	PCT-US92-00282-25	Sequence 25, Appl
45	97	5.9	480	US-09-356-806-116	Sequence 116, App

ALIGNMENTS

RESULT 1
US-09-356-806-112
Sequence 112, Application US/09356806
Patent No. 6586175
GENERAL INFORMATION:
APPLICANT: Penny, Laura
APPLICANT: Galvin, Margaret
APPLICANT: Miller, Andrew
APPLICANT: Reidy, Michael
TITLE OF INVENTION: Genotyping Human
TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
FILE REFERENCE: SEQ-22PRV2
CURRENT APPLICATION NUMBER: US/09/356,806
NUMBER OF SEQ ID NOS: 164
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQUENCE OF SEQ ID NOS: 164
LENGTH: 1976
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (11) ... (1598)
US-09-356-806-112

Query Match 47.7%; Score 780.4; DB 4; Length 1976;
Best Local Similarity 68.8%; Pred. No. 1.2e-217;
Matches 1107; Conservative 0; Mismatches 491; Indels 12; Gaps 2;

24 ATCATGAGCTTGACAGCTGAGCTTGTATTTCTGCTCCTGAGCTCTTGTGTT 80
5 ACCAGATGCTCTGTAATGACGCTGATCTTCTGATACGCTCACTTCTTT 64
81 GGCTGTGATTTCTGTTGGAAGCTCTGTGTGCTCTGTCATGAGCCATTGGCTTAAT 140
65 AGCTTGGAAGCTGTGGAAGGCTGCTAGTGTGCTCCACAGAAATACGCACTTGATTAAT 124
141 GTCAAGCTATCTTGAAGAGCTCATATGAGAGCCATGAGGTAACATGATTGACTCAC 200
125 ATGAAACATCTCTGTAAGAGCTTGTTCAGAGGGGTGATGAGGTGACTGTGATCTC 184
201 TCAAGCCTTGTTATTTGATGACAGAGAGCTTGTGATTTGAATTTGAGGTGTCAT 260
185 TCGGCTTACTCTTGTATGATGACGATTAATATCTGCTATTAATTAAGATTATCTT 244
261 ATGCC-----ACAGACAGAAAGAAATGAATATTTGTAAGCTTCTG 311
245 ACATCTTAACTAAATATGATTTGGAAGATTCCTCTGAAATCTCGATGATGATGATTA 304

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Qy 312 AATGCTTCGACGAGCTTATCAACCTGGCAATCACTATTAATAAATTAATGATTTTGTG 371
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Qy 372 GAATAAGAGAACTTTAAATGATGTGAGAGCTTTATCTAATCAATCAAGCGCTTATG 431
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Qy 432 AAGAGCTTACAGAAACCACTACATGATGATGTTTATAGACCTGTGATTTCCCTGGA 491
Db 425 ATGAACTTACAAAGGTCAAGTTGATGTCATCTGACAGATGCTTAAATCCCTGTGGT 484
Qy 492 GACCTGATGCTGATGCTTTCAGTCAGTCCCTTTGTGCTCACTATGAATTTCTGTAGA 551
Db 485 GAGCTTACTGGCTGAACTATTTAATACATACCTTTCTGTACAGTCTGTGATTTCTGTGGC 544
Qy 552 GGCATATGAGCGAAGCTGTGGGAACTTCAGCTCACTTTCTATGATCTGTGCT 611
Db 545 TACACATTTGAGAAAGATGTGAGAGATTTCTGTCCCTCTCTATGATCACTGTGTT 604
Qy 612 ATGACAGACTTACACAGACAAATGACCTTTCTGAAAAGTAAATAATCAATGCTTCA 671
Db 605 ATGCAAAATTAAGTATCAATGATTTTCAATGAGAGATTAATAATATGATACATATG 664
Qy 672 GTTTGTTTCACTTCTGAGATTACAGATTAAGATATATTTTGGAAAGTTTATAGT 731
Db 665 CTTTATTTTGACTTTTGTGTTTCAATTTATGATCTGAAAGATGGACAGTTTATAGT 724
Qy 732 AAGGATTAAGAAAGCCCACTACATTAATGAGACTGTGGAAAGCTGAGATATGCTTA 791
Db 725 GAAGTTCTAGGAAGACCACTACATTAATGAGCAATATGGGAAAGCTGAAATGTGCTC 784
Qy 792 ATAGGAATATTTGGGATTTTGAATTTTCCCAACATACCACTTACTTGAATTTGTT 851
Db 785 ATTCGAACCTATTTGGGATTTTGAATTTTCTGCGCCATTTTACCAATGTTGATTTGTT 844
Qy 852 GAGAGATTCGACTGTAAACCTGCAAAAGCTTGTGCTAAGAAATGAAAAATTTTGTGAG 911
Db 845 GAGAGATTCGACTGTAAACCTGCAAAAGCTTGTGCTAAGAAATGAAAAATTTTGTGAG 904
Qy 912 AGTTCAGGGGAAAGTGTATTTGTGTTTCTGTGGGGTCACTGTTTCAAAATGTTACA 971
Db 905 AGCTCTGAGAAATGATATTTGTGTTTCTGTGGGGTCACTGATGATCAATGATGCA 964
Qy 972 GAAGAAAGGCTATATATCTGCTTCAAGCTTGTGCTGCAAGATCCCAAGAGGTATAGG 1031
Db 965 GAAGAAAGGCTCAATGATTTGATGATGATGATGATGATGATGATGATGATGATGATG 1024
Qy 1032 AGGTACAAAGGAAAAAACCATCACTTAGAGCAATACCTGCGCTGTATGATGATA 1091
Db 1025 AGATTTGATGCAAGAAAGCCAAATCTTTAGTTTCAATCTGATGATGATGATGATGATG 1084
Qy 1092 CCCGAAATGATCTTCTGTGATCCCAAAACCAAGCTTTTATCACTCATGTGGAATG 1151
Db 1085 CCCGAAATGATCTTCTGTGATCCCAAAACCAAGCTTTTATCACTCATGTGGAATG 1144
Qy 1152 AATGGGATTAATGAGCTATTTACATGAGGCTCCCTATGAGGAGTTTCCATTTTGGT 1211
Db 1145 AATGGGATTAATGAGGATTTACATGAGGATCCCTATGAGGAGTTTCCCTTTTGGC 1204
Qy 1212 GATCAGCTTGTATATCATAGCTCATATGAAAGGCAAGAGAGCTGTAGAAATTAACCTTC 1271
Db 1205 GATCAGCTTGTATATCATAGCTCATATGAAAGGCAAGAGAGAGCTGTAGAAATTAACCTTC 1264
Qy 1272 AAAATCTATGCAAGCGAAGATTTTCTGAGGGCTTTGAAACAGTCAATTAACGATTTCTCT 1331
Db 1265 AGAGCAATGCAAGTAGAGATTTGCTCAATGATGATGATGATGATGATGATGATGATGATG 1324
Qy 1332 TATATAAGAGATGCTATGAGATTAATCAAGATTAATCAATGATCACTGTAGAAAGCCCTTA 1391
Db 1325 TATATAAGAGATGCTATGAGATTAATCAAGATTAATCAATGATCACTGTAGAAAGCCCTTA 1384
Qy 1392 GATGAGAGATCTTCTGTGATGAGATTTTGTCAATGGGCCAAGAAAGAGCAAGCACTGTGGA 1451

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Db 1385 GATGAGAGATCTTCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1444
Qy 1452 TCAGCTGCCATAGCTCACTGCTGCTTCCAGACTACTATCTATAGATGATGATGATGATG 1511
Db 1445 GTGACAGCTCAACCACTCACTGATGATGATGATGATGATGATGATGATGATGATGATG 1504
Qy 1512 CTGACCTGATGAGCACTGCTATATTTCTGTCACAAATGTTTATTTTCTGTCGAA 1571
Db 1505 CTGACCTGATGAGCACTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1564
Qy 1572 AAATTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1621
Db 1565 AAGCTTGCCAAACAGGAAAGAAAGAAAGAAAGATTAATATCAAAA 1614

RESULT 2
US-09-180-852-1
; Sequence 1, Application US/09180852
; Patent No. 6287834
; GENERAL INFORMATION:
; APPLICANT: BELANGER, Alain
; APPLICANT: HDM, Dean W.
; APPLICANT: BEAULIEU, Martin
; APPLICANT: LEVESQUE, Eric
; TITLE OR INVENTION: CHARACTERIZATION AND USE OF AN ISOLATED URIDINE
; TITLE OR INVENTION: DIPOPHOSPHO-GLUCURONOSYLTRANSFERASE
; FILE REFERENCE: 1259-449
; CURRENT APPLICATION NUMBER: US/09/180,852
; CURRENT FILING DATE: 1999-02-08
; EARLIER APPLICATION NUMBER: PCT/CA97/00328
; EARLIER FILING DATE: 1997-05-16
; EARLIER APPLICATION NUMBER: US 08/649,319
; EARLIER FILING DATE: 1996-05-17
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2107
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (52)..(1644)
; US-09-180-852-1

Query Match 47.4%; Score 775.6; DB 3; Length 2107;
Best Local Similarly 68.6%; Pred. No. 3.2e-216;
Matches 1104; Conservative 0; Mismatches 494; Indels 12; Gaps 2;

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QY 372 GAATAAGAGAACTTTAAAAATGATGTGAGAGCTTTATCTACATCAGAGCTTATG 431
 DB 406 GAAATATCTGAT 465
 QY 432 AAGAGCTACAGAAACCACTACATGATATATATATATATATATATATATATAT 491
 DB 466 AGAAATCTACAGAAACCACTATATATATATATATATATATATATATATATAT 525
 QY 492 GACCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCT 551
 DB 526 GACCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCT 585
 QY 552 GGCATATGAG 611
 DB 586 TACACATGAG 645
 QY 612 ATGACAGAGCTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 671
 DB 646 ATGTCAGAAATTAAGTATCAAAATGATTTTATGAGAGAGAGAGAGAGAGAGAG 705
 QY 672 GTTTTGTTCACCTTGTGATGCTGAGATTAAGATATATATATATATATATATAT 731
 DB 706 CTTTATTTTACCTTGTGATGCTGAGATTAAGATATATATATATATATATATAT 765
 QY 732 AAGCATATGAG 791
 DB 766 GAACTTCTAG 825
 QY 792 ATACGACATATTTGGAGATTTTGAATTTCTCAACATACCAACCTTATGAGTTGT 851
 DB 826 ATTCGAACTATTTGGAGATTTTGAATTTCTGAGCAATTTCTTCAAAATGTTGAT 885
 QY 852 GAGAGATGCACTGTAAACCTGCCAAAGCTTGTCTAAGAAATGAGAAATTTGTG 911
 DB 886 GAGAGCTTCACTGTAAACCAAGCCAAAGCTTGTCTAAGAAATGAGAAATTTGTG 945
 QY 912 AGTTGAGGAGAGAGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 971
 DB 946 AGCTCTGAGAGAGAGAGATTTGATTTGATTTGATTTGATTTGATTTGATTTGAT 1005
 QY 972 GAGAGAGAGCTAT 1031
 DB 1006 GAGAGAGAGCTAT 1065
 QY 1032 AGGTACAAAG 1091
 DB 1066 AGATTTGATGAG 1125
 QY 1092 CCCAGAGATGCTTCTGATGATCCCAAAAGCTTTATCACTCATGAGAGAGAG 1151
 DB 1126 CCCAGAGATGCTTCTGATGATCCCAAAAGCTTTATCACTCATGAGAGAGAG 1185
 QY 1152 AATGAGATCTATGAGAGATTTTACATGAGAGAGAGAGAGAGAGAGAGAGAGAG 1211
 DB 1186 AATGAGATCTATGAGAGAGATTTTACATGAGAGAGAGAGAGAGAGAGAGAGAG 1245
 QY 1212 GATCAGCTTATTAATCATGCTCACTGAGAGAGAGAGAGAGAGAGAGAGAGAG 1271
 DB 1246 GATCAGATGATTAATCATGCTCACTGAGAGAGAGAGAGAGAGAGAGAGAGAG 1305
 QY 1272 AAAAGATGAG 1331
 DB 1306 AGAGAGATGAG 1365
 QY 1332 TATTAAGAGAGATGATGAGATTTTACAGAGATTTTACAGAGATTTTACAGAG 1391
 DB 1366 TATTAAGAGAGATGATGAGATTTTACAGAGATTTTACAGAGATTTTACAGAG 1425
 QY 1392 GATCAGAGAGATTTTGTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1451
 DB 1426 GATCAGAGAGATTTTGTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1485
 QY 1452 TCAGCTGAGAGAGATTTTGTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1511

DB 1486 GTGAG 1545
 QY 1512 CTGAGCTGTGTGAG 1571
 DB 1546 CTGAGCTGTGTGAG 1605
 QY 1572 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1621
 DB 1606 AAGCTTCCAAAG 1655

RESULT 3
 US-09-356-806-7
 ; Sequence 7, Application US/09356806
 ; Patent No. 6586175
 ; GENERAL INFORMATION:
 ; APPLICANT: Penny, Laura
 ; APPLICANT: Galvin, Margaret
 ; APPLICANT: Miller, Andrew
 ; APPLICANT: Reidy, Michael
 ; TITLE OF INVENTION: Genotyping Human
 ; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
 ; FILE REFERENCE: SEQ-22PRV2
 ; CURRENT APPLICATION NUMBER: US/09/356, 806
 ; NUMBER OF SEQ ID NOS: 164
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 7
 ; LENGTH: 2092
 ; TYPE: DNA
 ; ORGANISM: H. sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (38) ... (1621)
 US-09-356-806-7.

Query Match 46.8%; Score 766; DB 4; Length 2092;
 Best Local Similarity 68.7%; Pred. No. 2e-213;
 Matches 1102; Conservative 0; Mismatches 490; Indels 12; Gaps 3;

QY 23 CATCAGAGAGCTGAG 79
 DB 31 CATCAGAGAGCTCATGAG 90
 QY 80 TGGCTGTGATTTCTGTGAG 139
 DB 91 TGGCTGTGAG 150
 QY 140 TGTCAAGTGTATTTAG 199
 DB 151 TATTAAG 210
 QY 200 CTCAGAGCTGTGTATTTAG 259
 DB 211 TTGAGCTTCATTTCTTGTGATGCTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 270
 QY 260 TATGCAAG 313
 DB 271 TGTATTTTATTAATCAAG 330
 QY 314 TGTCTTGTGAG 373
 DB 331 AGAAGCTTCCAAAG 390
 QY 374 AATTAAG 433
 DB 391 AATTAATGAG 450
 QY 434 GAGCTACAG 493
 DB 451 GAAAGCTACAG 510

QY 494 CTTGATGGCTGAGTGGCTTGCAAGTCCCTTTTGTGCTCACTAGAAATTTCTGAGAGG 553
DB 511 GCTGCTGGCGAGTACTTAATAATACCTTTTGTCTAAGCTCCGCTCTCTCTGAGCTA 570
QY 554 CAATATGAGCGAAGCTGTGGAAACTTCAGCTCACTTCTATGTACTGTGCTAT 613
DB 571 CGCAATTTGAAAGCATAGTGGAGAGCTTCTGTTCCCTCTCTATGTGCTGTATAT 630
QY 614 GACGAGCTAAACAGACGAATGACCTTCTGGAAAAGTAAAAATTCATGCTTCAAGT 673
DB 631 GTACGAATCAAGTACCAATGACTTCTAGAGAGGGTAAAAATATGATCTATGTGCT 690
QY 674 TTTGTTCCACTTCTGAGATTCAGATTCATATTTTGGAGAGTCTTATAGTAA 733
DB 691 TTATTTGAAATTTTGGTTCCAAAATTTGACATAGAGAGGAGTACGTTCTACAGTGA 750
QY 734 GGCATTAGAGAGCCCACTACATTATGTAGACTGTGGAAAAGCTGAGATATGCTPAT 793
DB 751 AGTTCTAGGAAGACCCCACTAGTATCTGAGACAAATGGCAAAAGCTGACATATGCTPAT 810
QY 794 ACGAACATTTGGATTTTGAATTTCTCAACCATACCAACTTATGAGTTGTG 853
DB 811 TCGAACTACTGGGATTTTCAATTTCTCAACCACTCTTACCAATGTGAGTGTG 870
QY 854 AGGATTCACCTGTAACCTGCGCAAGCTTGGCTTGAAGAAATGGAATTTTGTCCAGAG 913
DB 871 AGGACTCCACTGCAACCTGCGCAACCCCTACCGAAGAAATGGAAGTTTGTCCAGAG 930
QY 914 TTCAGGGAAGATGTATTTGTGTTTCTCTGAGGCTCACTGTTTCAAAATGTTACAGA 973
DB 931 CTCTGAGAAATATGTTGTGTTGTTTCTCTGAGGCTGATGTGATACAGTACAGA 990
QY 974 AGAAAAGCTTAATTCATTTGCTTCAAGCCCTTGGCCCAATCCCAAGAAAGTGTATGAG 1033
DB 991 AGAAAAGCCCAATGTATGTATGATAGCCCTTGGCCCAATCCCAAGAAAGTGTGAGAG 1050
QY 1034 GTACAAAGAAAACATCCATCCATTTTGAAGCAATCTGCTGATGTATGATGATACC 1093
DB 1051 ATTTGATGGGAATTAACCAATCTTATAGACTCAATCTGCTGATGATGATGATACC 1110
QY 1094 CCAAGATGATCTTCTGCTGATCCCAAAACCAAGCTTTTATCACTGATGTGGAATGAA 1153
DB 1111 CCAAGATGATCTTCTGCTGATCCCAAAACCAAGCTTTTATCACTGATGTGGAATGAA 1170
QY 1154 TGGGATCTATGAGACTTATTAACATGGGGTCCCTATGCTGAGAGTCCCATTTTGTGTA 1213
DB 1171 TGGCATCTATGAGCAATCTAATGGAATCCCTATGCTGAGAGTCCCATTTTGTGTA 1230
QY 1214 TCAAGCTGATTAACATGATCTCAATGAAGGCCAAGAGAGAGCTGTGAAATTAACCTTCA 1273
DB 1231 TCAAGCTGATTAACATGATCTCAATGAAGGCCAAGAGAGAGCTGTGAAATTAACCTTCA 1290
QY 1274 AACTATGACAAGCGAAGATTTACTGAGGGCTTTGAGAACAGTCAATCCATCTCTTA 1333
DB 1291 CACAATGTGAGTACAGACTTACTCAATGCACTGAGAGAGTATTAATGATCTCTTATA 1350
QY 1334 TAAAGAAATGCTATGAGATTAATCAAGATTCACATGATTAACCTGTAAAGCCCTTGA 1393
DB 1351 TAAAGAAATGCTATGAGATTAATCAAGATTCACATGATTAACCTGTAAAGCCCTTGA 1410
QY 1394 TCGAGAGCTCTTGTGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAG 1453
DB 1411 TCGAGAGCTCTTGTGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAGATTCAG 1470
QY 1454 AGCTGCCATGACCTCACTGCTTTCAGACACTACTCTATAGATGTGAGTGTGCTGCT 1513
DB 1471 TCGAGCCCAAGACTCACTGCTTTCAGATTCAGATTCAGATTCAGATTCAGATTCAG 1530
QY 1514 GACTGTGTGCAACTGCTATATCTGTTTACAAATGTTTATTTTCTGTCAAAA 1573
DB 1531 GGCCTGTGTGCAACTGCTATATCTATCACTCAAAAATGCTGTTTGTGTCTG---GAA 1587

QY 1574 ATTTAATAAAATAGAAAGATAGAAAAGAGGAATGATCTTTC 1617
DB 1588 GTTTGTTAGAAACAGAAAGAGGAGAAAGATTAATTAATGCTC 1631

RESULT 4
US-09-356-806-39
; Sequence 39, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 1854
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)...(1584)
US-09-356-806-39

Query Match 45.8%; Score 750; DB 4; Length 1854;
Best Local Similarity 67.6%; Pred. No. 8,9e-209;
Matches 1085; Conservative 0; Mismatches 510; Indels 9; Gaps 2;

QY 23 CATCATGAGCTGTGACAGTCACTGCTTGTGATTTCTGCTCTGAGCT---CTTGTGT 79
DB 8 CACGAGATGTCTGTGAATGAGACTTCAATTTTGTCTAATCACTGAGCTTTGCTT 67
QY 80 TGGCTGTGATTTCTGTGGGAAAGTCCGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 139
DB 68 TACCTGTGGAATTTGTGGAAGGTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 127
QY 140 TGTCAAGGATCTTCTGAAAGAGCTCATATGAGAGGCGCATGAGTAACTATGATCTCA 199
DB 128 TATTAAGACAATCTGTATAGCTTATTCAGAGAGCTGATGAGTACTGTATGCGATC 187
QY 200 CTCAAGCTTGTGTTAATGATCAAGAAAGCTTGTGATGAAATTTGAGGTGTCA 259
DB 188 TTCAGCTTCAATCTTTTGTATCCCAACATCATCGCTCTTAAATTTGAAATTTATCC 247
QY 260 TATGCCACAGACAGAACAAAGAAATGAAATTTGTTGACTGACTGCA-----A 313
DB 248 CACATCTTTAATCACTGAAGTGTGAGATTTTATCATCATCAACAGATTAAAGAGTGC 307
QY 314 TGTCTGCCAGGCTTATCACTGCAATCAGTTATTAATTAATTTTGTGTA 373
DB 308 AGACCTTCCAAAAGATATCAATTTGTGTTATTTTTCACAGTACAGAAATCATGTCAAT 367
QY 374 AATTAAGGAACCTTAAATTAATGATGTGAGAGCTTTATCTACATCAAGCGCTTATGAA 433
DB 368 ATTTGGAATTAATCACTGAAGATTTGTGTAAGATGATTTCAAAATTAAGAAATTTAGAA 427
QY 434 GAAGCTACAGAAACCACTACATGATTAATGATTAATGATTAATGATTAATGATTAATG 493
DB 428 AAAAGTACAAAGATCAAGATTTGATGATTTTGTGAGATGATTTTGTGATTTTGTGAT 487
QY 494 CTTGATGGCTGAGTGGCTTGTGCTGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 553
DB 488 GCTGCTGCTGAGCTATTTAATCAATCCCTTGTGTATGATGATGATGATGATGATGATG 547
QY 554 CAATATGAGCGAAGCTGTGGGAAACTTCCAGCTTCACTTCTATGATCTGTGCTAT 613

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Db      548 CACTTTTGAAGAAGCATAGTGGAGGATTATTTTCCTCTCTTCACTGACCTGTTGTTAT 607
Qy      614 GACAGAGCTAAGACAGAGATGACCTTTCTGGAAAAGTAAATTCATGCTTACGT 673
Db      608 GTCAAGATTAACATGATCAAAATGATTCATGAGAGAGGGTAAATAATGATCTATGTGCT 667
Qy      674 TTTGTTCCACTTCTGATTCAGAGATACGACTATCATTTTGGGAAAGTTTATATATA 723
Db      668 TTACTTTGACTTTTGTGTTCCAAAATTTGACATGAGAGAGTGGGATCGTTTATAGTGA 727
Qy      734 GGCATTAGAAAGGCCCACTACATTATGAGACTGTGGAAAAGCTGAGATATGCTAT 793
Db      728 AGTTCTAGAAAGCCCACTACATATCTGAGACAAATGGGAAAAGCTGACGTATGCTTAT 787
Qy      794 AGCAACATATTGGGATTTTGAATTTCTCAACCAATACCAACTTACCTTTGATTTGTTGG 853
Db      788 TCGAAACTCTCGAAATTTTCAATTCATTCCTTTCACAAATGTTGATTTTGTGG 847
Qy      854 AGGATTGCACTGTAAACCTGCAAAAGCTTTGCTTAAAGAAATGGAATAATTTGTCCAGAG 913
Db      848 AGGACTCCACTGCAAACTGCAAACTGCCAAACCTGCTTAAAGAAATGAGAGACTTTGTACGAG 907
Qy      914 TTCAAGGAAAAGATGATTTGTTGTTCTGTTCTGTTGAGGTTCACTGTTTCAAAATGTTTACA 973
Db      908 CTCTGAGAAAATGTTGTTGTTGTTGTTCTGTTGAGGTTCAATGTTGATGATGATGACAGA 967
Qy      974 AGAAAAGCTTAATATCTTGTCTTCAAGCTTGGCCCAATGCTCCACAGAAAGTTTATGAGAG 1033
Db      968 AGAAAGGCAAGATGATTTGATTCATGAGCCCTGGGCCCAATGCTCCAAAGGTTTGTGAGAG 1027
Qy      1034 GTCAAAAGAAAATAACCATTCACATTAAGAGCCCAATCTGCGGTGATGATTTGATACC 1093
Db      1028 ATTTGATGAGAAATTAACCAATGATCTTAACTGCTCAATCTGCGCTTCAAGTGAATACC 1087
Qy      1094 CCAAGATGATCTTCTTGTGATCCCAAAACCAAGCTTTTATCATCTCATGTTGAGAAATGAA 1153
Db      1088 CCAAGATGATCTTCTTGTGATCCCAAAACCAAGCTTTTATCATCTCATGTTGAGAAATGAA 1147
Qy      1154 TGGGATCTAATGAGCTATTTTACATGAGGTTGCTTATGTTGAGGAGTTTCCATTTTGTGTA 1213
Db      1148 TGGCATCTAGAGGCAATCTACATGAGGATCCCTATGTTGAGGAGTTTCCATTTTGTGCGA 1207
Qy      1214 TCACTTTGATTAATGCTACATGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCA 1273
Db      1208 TCACTTTGATTAATGCTACATGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCA 1267
Qy      1274 AACCTATGACAAAGGAGATTTACTGAGGCTTTGAGAAAGATGATTAACGATTTCTCTTA 1333
Db      1268 CACAATGTGAGATACAGACTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1327
Qy      1334 TAAAGAGATGCTATGATGATTAACAGAAATTCACATGATCAACCTGTAAGGCCCTTGA 1393
Db      1328 TAAAGAGATGCTATGATGATTAACAGAAATTCACATGATCAACCTGTAAGGCCCTTGA 1387
Qy      1394 TCGAGAGCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1453
Db      1388 TCGAGAGCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1447
Qy      1454 AGCTGCCATGACCTGCTGTTTCCAGCACTACTCTATGATGATGATGATGATGATGATGATGAT 1513
Db      1448 TCGAGCCACAGACTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1507
Qy      1514 GACCTGTGAGCACTGCTATATTTCTGTTCAAAAATGTTTATTTTCTGTTCAAAA 1573
Db      1508 GGTCTGTGAGCACTGCTATATTTCTGTTCAAAAATGTTTATTTTCTGTTCAAAA 1567
Qy      1574 ATTAAATTAATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 1617
Db      1568 GTTGTCTGAGAAAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1611

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RESULT 5
US-09-813-918-1

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; Sequence 1, Application US/09813918
; Patent No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Human
; US-09-813-918-1

Query Match      35.1%; Score 574; DB 4; Length 1413;
Best Local Similarity 78.4%; Pred. No. 1,7e-157;
Matches 688; Conservative 0; Mismatches 190; Indels 0; Gaps 0;

Qy      743 AAGGCCCACTAATGATGAGACTGTGGAAAAGCTGAGATATGCTAATACGACATA 802
Db      520 AGACCCACTAATCTTATTTGAGACATGAGAAAAGCTGACATATGCTTATGGAACCC 579
Qy      803 TTGGGATTTGATTTCTTCAACCATACCACTTAACTTGAATTTGTTGAGAGATTGCA 862
Db      580 CTGAGATTTTCAATTTCTCATCATCTTCTTAACTTAACTTAACTTAACTTAACTTAACTTAACT 639
Qy      863 CTGTAACTGCAAAAGCTTTGCTTAAAGAAATGGAATTTTGTGCAAGATTTGAGGGA 922
Db      640 CTGCAAACTGCAAAAGCTTTGCTTAAAGAAATGGAATTTTGTGCAAGATTTGAGGGA 699
Qy      923 AGATGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 982
Db      700 AATGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 759
Qy      983 TAATATCATTTGCTTACGCTTTCGCTTCCAGATCCCAAGAGGTTTATGAGGTTACAAAG 1042
Db      760 CATGATTTGCAAGAGCTTTCGCTTCCAGATCCCAAGAGGTTTATGAGGTTACAAAG 819
Qy      1043 AAAAAACATCACTATTTGAGACCAATCTGCTGTTATGATTTGATTTGATTTGATTTGATTT 1102
Db      820 GAATAAACAGATGCTTATGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 879
Qy      1103 TCTTCTGCTATCCCAAAACCAAGCTTTTATCACTCATGTTGGAATGATGAGGATCTTA 1162
Db      880 CTTCTAGGTCATCCAAACCAAGCTTTTATCACTCATGTTGGAATGATGAGGATCTTA 939
Qy      1163 TGAAGCTATTTACATGAGGCTTCTATGTTGAGGATTTCCATATTTGTTGATCAGCTTGA 1222
Db      940 TGAAGCAATCTACATGAGGATCCCATGTTGAGGATTTCCATATTTGTTGATCAGCTTGA 999
Qy      1223 TAAATAGCTCATGAGAGGCCCAAGAGAGAGCTGTTAGAAATTAATTTCAAAATCTATGAC 1282
Db      1000 TAAATAGCTCATGAGAGGCCCAAGAGAGAGAGCTGTTAGAAATTTCAAAATCTATGAC 1059
Qy      1283 AAGCGAAGATTTAGAGGCTTTTGAAGCAGTCAATGCAATGCTCTTATTAAGAGAA 1342
Db      1060 GAGTACAGACTGCTGAAATGCACTGAAGCAATTAATTAATGATCTTTATTAAGAGAA 1119
Qy      1343 TGTATGAGATTTACAGAAATTCACCATATCACTGTAAAGCCCTTATGATGAGCAGT 1402
Db      1120 TATTAAGAAATTTATCAAGATTTCAACATATCAACAGTAAAGCCCTTATGATGAGCAGT 1179
Qy      1403 CTTTGTGATGAGTTTGTATGAGGCACAAAGAGGCAAGCACTGCTGATCAGCTGCCA 1462
Db      1180 CTTTGTGATGAGTTTGTATGAGGCACAAAGAGGCAAGCACTGCTGATGAGGCA 1239
Qy      1463 TGACCTACCTGCTTCCAGCACTACTCTATGATGATGATGATGATGATGATGATGATGATGAT 1522

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Db 1240 TGACCTCACCTGGTCCAGTACCACTTTGATGATGGGTTCTGCGCCCTGTGT 1299
Qy 1523 GGCACTGCTATATCTTCTGTTCAAAAAGTTTTTATTTCTGTCGAAAATTTAATA 1582
Db 1300 GGCACTGCTATATTTATCATCAAAAGTTTGTGTTGTTCTGGAAGTTGCTAG 1359
Qy 1583 AACTAGAAAGATAGAAAAGAGGAATAGATCTTTCCAA 1620
Db 1360 AAAAGGAAAGAGGAAAAGAGATTTATGTATGTCGA 1397

RESULT 6

PCT-US92-00282-2

Sequence 2, Application PC/TUS200282

GENERAL INFORMATION:

APPLICANT: OMENS, IDA S.

APPLICANT: RITTER, JOSEPH K.

TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION

TITLE OF INVENTION: THEREIN.

NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESSES:

ADDRESSEE: CUSHMAN DABY & CUSHMAN

STREET: 1615 L STREET, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20036-5601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/00282

FILING DATE: 19920110

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: SCOTT, WATSON T.

REGISTRATION NUMBER: 26581

REFERENCE/DOCKET NUMBER: 91532-PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-861-3000

TELEFAX: 202-822-0944

TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 2339 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

PCT-US92-00282-2

Query Match 20.1%; Score 329; DB 5; Length 2339;

Best Local Similarity 52.5%; Pred. No. 6.5e-86;

Matches 79; Conservative 0; Mismatches 710; Indels 12; Gaps 3;

Qy 57 CTGCTCTGCACTCTTCTGTGTTGGCTGTGATTCGTGTGGAAGTCTGTGTGCCC 116
Db 46 CTGCTGCTCTCTCTCACTGTGTCAGCCCTGTGGCTGAGATGGAAGGTGTGTGTCCTC 105
Qy 117 TGTGACATGAGCCATTGCTTAATGTCAAGGTCTATTGAGAGAGCTCATAGTGAAGGC 176
Db 106 ACTGATGCGACGCCCTGCTGCTCAGATCGGAGGCTTGGCGAGCTTCATGCCAGAGGC 165
Qy 177 CATGAGTAAACAGATTTGACTCACTCAAGCCTTCGTTAATGACTACAGGAACCTTCT 236
Db 166 CACAGCGCGGTGTCTTCACTCCAGAGGTGAATATGACATCAAGAGAAATTTTTC 225
Qy 237 GCATTGAATTTGAGTGTGCTCATATGCGACAGACAGAAAGAAATGAAATTTT 296
Db 226 ACCCTGACAGCTATGCTGTTCATGAGCCAGAA-----GGAATTTGATCGGTTACG 279

Qy 297 GTTACCTAGCTCTGTAATGCTTTGCCAGGCTTAATCAACTGGCAATCACTTATTAATA 356
Db 280 CTGGGCTACACTCAAGAGGTCTTTGAAACAGAAATCTTGTGAAGATATCTAGAAAGT 339
Qy 357 AATGATTTTTTGTGTAATTAAGAGAACTTTAAATATGATGTGAGAGCTTATCTAC 416
Db 340 ATGGCAATTAAGAACATATATCTTTGGCTTCATAGAGTGTGTGTGAGACTACTGCA 399
Qy 417 AATCAGAGCTTAATGAAGAGCTACAGAAACCAATCAAGATGTAATGCTTATAGACCT 476
Db 400 AATGAGCCCTGATGACAGACCTGGAATGCTACTCTCTTGTATGTGTTTTAACAGACCC 459
Qy 477 GTGATTCCTGTGAGAGCTGATGCTGATGTGCTTGTGACATCTTTGTCTCAGACT 536
Db 460 GTTAACCTCTGGCGGCGGTGCTGCTAGTACTGCTGCTCTCTGTGT---TTT 516
Qy 537 AGAATTTCTGTAGAGAGCAATATGAGCGAAGCTGTGGGAACTTCAGGCTCAGCTTTC 596
Db 517 TGAAGGTACATTCAGATGACTTAAGCTTTAAGGSCACACAGTTCGAAATCTTCTCC 576
Qy 597 TATGACCTGTGCTTGAACAGAGCTAACAGACAGAAATGACCTTTCTGAAAGATPAA 656
Db 577 TATATCTTAATGTTACTTAACAGCAATTCAGACACATGACATCTCTGCAAGGCTCAG 636
Qy 657 AATTCAATGCTTCACTTTTGTTCACCTTGTGATTCAGATTAAGCATATCTTTGG 716
Db 637 AAC---ATGCTCAACCTCTGGCCCTGCTCTCAATTTGCCATCTTTTCTGCCCCCTAT 693
Qy 717 GAAGATTTATATGTAAGGCTTTAGAGGCCACATCAATATGTAAGCTGTGGGAAA 776
Db 694 GCAAGTCTTGCTCTGAGCTTTTTCAGAGAGAGTGTGAGTGTGATCTTGACACTAT 753
Qy 777 GCTGAGATAGGCTTAATGAACAATATGAGATTTTGAATTTCTCAACCATACCACT 836
Db 754 GCATCCGTGTGCTGTTCGAGAGGACTTTGTGATGATGATCACCAGCCGATCATGCCC 813
Qy 837 AACTTGAATGTTGTGAGAGATTCATCTGTAACCTGCAAGCTTGTCTTAAGAAATG 896
Db 814 AATCATGTCTTCAATTTGGGGCATCACTGTGCCAAGGGAAGCAGATCTCAGAAATTT 873
Qy 897 GAAATTTGTTCAGAGCTTCAAGGGAAGATGATATGTGTGTTTCTCTGGGGTCACTG 956
Db 874 GAAGCTTACATTAATCTCTGTGGAACATGAAATGTGTGTTTCTCTTGGGATCAATG 933
Qy 957 TTTCAAAATGTTACAGAAAGAAAGCTTAATATCTGCTTCAAGCCCTTGGCCAGATCCA 1016
Db 934 GTCTCAGAAATTCAGAGAAAGAAAGCTATGCGAATGTGATCTTGGCAAAATCCCT 993
Qy 1017 CAGAAAGTGTATGAGAGTACAAAGGAAAAAACAATCCACATTTAGAGCCAAATCTCG 1076
Db 994 CAGACAGTCTGTGGCGGTACACTGGAAACCGACATCGAATCTTGCAGAACACAGATA 1053
Qy 1077 CTGTATGATGATTAACCCCAAGATGATCTTCTGTGCTATCCCAAAACMAAGCTTATC 1136
Db 1054 CTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1113
Qy 1137 ACTCATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1196
Db 1114 ACCATGCTGTGCTTCCATGTGTGTTATGAAAGATATGCAATGCGTTCCTCCATGTGATG 1173
Qy 1197 GTTCCATATTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1256
Db 1174 ATGCCCTGTGTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1233
Qy 1257 GTTGAATTAATCTTCAAACTATGACAGGAAAGATTTTACTGAGGCTTTGAAGACGTC 1316
Db 1234 GTGACCTGATATGTTGTGAAATGACTTCTGAAGATTTAAGAAATGCTTAAGACGTC 1293
Qy 1317 AATACGATTCCTCTTATTAAGAAATGCTATGATGATGATGATGATGATGATGATGATG 1376
Db 1294 ATCAATGACAAAGTTTACAGAGAAACATGAGCGCTCTCAGACCTTCAAGAGACCGC 1353
Qy 1377 CTGTAAAGCCCTTAATGACAGAGCTTCTGTGATGAGATGATGATGATGATGATGATG 1436

Db 1354 CCGGTGAGCCGCTGACCTGCGCGTGTCTGGGTGAGTTGTGATGAGGACCAAGGGC 1413
 Qy 1437 GCCAAGCACTGCGGATGACGCTGCGGATGACCTGCTGTTCCAGACATCTATAGAT 1496
 Db 1414 GCGCCACACTGCGCCCGCCGACGACCTGACCTGATACCAATCTCTTGAGAC 1473
 Qy 1497 GTGATTTGGTCTGCTGACCTGCTGAGCACTGTATATTTCTTGTCAAAAATGTTTT 1556
 Db 1474 GTGATTTGGTCTCTCTGCGCGCTGCTGACAGTGGCTTCATCACTTTAATTTGT 1533
 Qy 1557 TTAATTTCTGTCAAAAT 1575
 Db 1534 GCTTATGCTACCGAAAT 1552
 RESULT 7
 PCT-US92-00282-1
 ; Sequence 1, Application PC/TUS920282
 ; GENERAL INFORMATION:
 ; APPLICANT: OWENS, IDA S.
 ; APPLICANT: RITTER, JOSEPH K.
 ; TITLE OF INVENTION: THE GENETIC LOCUS UGT1 AND A MUTATION
 ; TITLE OF INVENTION: THEREIN.
 ; NUMBER OF SEQUENCES: 40
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CUSHMAN DARBY & CUSHMAN
 ; STREET: 1615 L STREET, N.W.
 ; CITY: WASHINGTON
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20036-5601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US92/00282
 ; FILING DATE: 19920110
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: SCOTT, MATSON T.
 ; REGISTRATION NUMBER: 26581
 ; REFERENCE/DOCKET NUMBER: 91532-PCT
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-861-3000
 ; TELEFAX: 202-822-0944
 ; TELEX: 6714627 CUSH
 ; INFORMATION FOR SEQ. ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2336 base pairs
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; PCT-US92-00282-1
 Query Match 19.5%; Score 319.8; DB 5; Length 2336;
 Best Local Similarity 52.5%; Pred. No. 3, 1e-83;
 Matches 777; Conservative 0; Mismatches 692; Indels 12; Gaps 3;

Qy 275 AACAGAGAAAATGAATATTTGTGACTAGCTGAATGTCTTGCCAGGCTTATCAAC 334
 Db 255 GAGAGATGTGAAGAGCTCTTTGTATGTCGCGCATATATTTTGAAGATGATTTCTT 314
 Qy 335 CTGGCAATCAGTTATATAATTAATGATTTTGTGTAATTAAGAACTTTTAAAAAT 394
 Db 315 CCGGACGCGTGTATCAAAACATCAAGAAATTAAGAAAGCTGTATGCTTTTGTG 374
 Qy 395 GATGTGTGAGACTTATATCAATCAAGAGCTTATGAAGAACTCAAGAAACCACTA 454
 Db 375 TGGCTGTCCCACTTACTGACCAACAGAGGCTCATGCTCCCTGGCAGAAAGCACT 434
 Qy 455 CGATGTATGCTTATAGACCTGTGATTCGCGTGAAGACCTGATGCTGATGCTTTC 514
 Db 435 TATGTATGTGAGGAGACCTTCTCTTCTTGACGCCCATGTGCGCCAGTACTGTG 494
 Qy 515 AGTCCCTTTTGTCTCACACTTAGAATTTCTGTAGAGGCAATATGAGCGAAGCTGTG 574
 Db 495 TCTGCCCACTGATTC---TCTTGATGACACTGCGCATGACCTGGAATTTGAGCTAC 551
 Qy 575 GAACTTCCAGCTCCACTTCTTATGATCTGTGCTTATGACAGACCTTAACAGAGAT 634
 Db 552 CCAGTGCCTCAACCATTCCTCTACGTGCGCAGGCTCTCTCTCATTCAGATCAAT 611
 Qy 635 GACCTTTCTGGAAGAGTAAATTAATCAAGCTTTCAGTTTGTCCACTTCTGATTC 694
 Db 612 GACCTTCTGCGACGCGGTGAAGAA--CATGCTCATGTGCTTTTACACAACTTCTGTG 668
 Qy 695 GGAATTACGACTATCATTTTGTGGAAGAGTTTATATAGCATTAGAGAGGCCCACTAC 754
 Db 669 CGACGTGTTATTTTCCCGTATGCAACCTTCCCTCAGAAATTCCTTCAGAGAGAGTAC 728
 Qy 755 ATTTATGTGAGACTGTGGGAAAAGCTGAGTATGCTTATACAGACATATTTGAAATTTGA 814
 Db 729 TGTCCAGACCTATTGAGCTGCACTGTCTGCTGTATGAAGTACTTTGTAAGGA 788
 Qy 815 ATTTCTCAACCATTCACCACTTATGAGTTTGTGGAAGATTCACCTGTAAACCTG 874
 Db 789 TTACCTTAGGCCCCATCATGCCCCAATATGTTTGTGTGGAATCACTGCTTCCACA 848
 Qy 875 CAAGCTTTGCTTAAGAAATGAATTTTGTCCAGAGTTTCAAGGGAAGATGTATTTGT 934
 Db 849 AATTCATCTATCCAGAAATTTGAAGCTTACTATTAATGCTTTTGAAGAACTGAAATTTGT 908
 Qy 935 GGTGTTTTCTCTGGGATCACTGTTCAAATGTTCAGAGAAAGGCTTAATATCATTTGC 994
 Db 909 GGTTTTCTCTGGGATCAATGCTCTCAGAAATTCAGAGAAAGGCTATGCAATTGC 968
 Qy 995 TTCAGCCCTTGGCCAGATCCACAGAGGTGTTATGAGGTTCAGAGAAAAAACATC 1054
 Db 969 TGATGCTTTGGCAAAATCCCTCAGACAGTCTCTGTGGGGTACACTGGAACCCGACATC 1028
 Qy 1055 CACATTAGAGCAATATCTCGGCTGATGATGATGATACCCCGAATGATCTTCTTGCTCA 1114
 Db 1029 GATCTTGGAACCAACAGATATCTTTATAGTGGCTACCCCAACGATCTCTTGCTCA 1088
 Qy 1115 TCCCAAAACCAAGCTTTTATCACTCATGTGTGAATGATGAGATCTATGAAGCTATTTTA 1174
 Db 1089 CCGATGACCGGTGCTTTATACCCATGCTGTTCCATGCTGTTTATGAAGACATATG 1148
 Qy 1175 CCATGGGCTCTTATGTTGGAGAGTTCCCATATTTTGTGATCAGCTTGATATATGCTCA 1234
 Db 1149 CAATGCGCTTCCCAATGATATGATCCCTTGTGTGTATCATGATGCAATGCAAGG 1208
 Qy 1235 CATGAAGGCAAAAGGAGAGCTGTGAATTAACCTTCAAAATATATGCAAGGAGGATTT 1294
 Db 1209 CATGAGACTAGAGAGCTGAGATGACCTCAATGTTCTGGAATGATCTTCTGAAGATTT 1268
 Qy 1295 ACTGAGGCTTTGAGAACAGTATTAACGATTCCTTTATTAAGAAATGCTATGAGATT 1354
 Db 1269 AGAAATGCTCTTAAAGAGATCATATGACAAAGTTTAAAGAGAAATCATGAGCGCCT 1328

QY 1355 ATCAAGATTACCATGATCAACCTGTAAAGCCCTAGATCGACAGTCTTGTGATCGA 1414
DB 1329 CTCACGCTTCAAGAGGACCGCCGCGTGGAGCCGCTGACCTGGCGGTCTTGGGTGGA 1388
QY 1415 GTTGTGATGCGGCACAAAGAGCCCAAGACACCTGCGATGAGTCCCATGACTTCACTTG 1474
DB 1389 GTTGTGATGAGGACAAAGGCGCGCCACACCTGCGCGCCGACGCCACGACCTCACTTG 1448
QY 1475 GTTCCAGCACTACTCTATATGATGATGATGGTTCCTGCTGACCTGTGTGCAACTGCTAT 1534
DB 1449 GATCCAGTACATCTCTTGGACGTGATGGTTCCTTGTGGCGTGTGACAGTGGC 1508
QY 1535 ATCTGTTCACAAATGTTTATTTTCTGTCAAAAT 1575
DB 1509 CTTCATCCTTTAAATGTGTGCTTATGCTTACCGGAAT 1549

RESULT 8

US-09-671-317-388/c
Sequence 388, Application US/09671317
Patent No. 6528260
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bouguerelet, Lydie
APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIALLERIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62. US3. CIP
CURRENT APPLICATION NUMBER: US/09/671.317
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 09/536.178
PRIOR FILING DATE: 2000-03-23
PRIOR APPLICATION NUMBER: PCT/IB00/00403
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: US 60/126.269
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/131.961
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pm
SEQ ID NO 388
LENGTH: 1001
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 501
OTHER INFORMATION: 12-906-149 : polymorphic base A or G
NAME/KEY: misc_binding
LOCATION: 482..500
OTHER INFORMATION: 12-906-149.mis1
NAME/KEY: misc_binding
LOCATION: 502..521
OTHER INFORMATION: 12-906-149.mis2, potential complement
NAME/KEY: primer_bind
LOCATION: 353..372
OTHER INFORMATION: upstream amplification primer
NAME/KEY: primer_bind
LOCATION: 809..829
OTHER INFORMATION: downstream amplification primer, complement
NAME/KEY: misc_binding
LOCATION: 489..513
OTHER INFORMATION: 12-906-149 potential probe
NAME/KEY: misc_feature
LOCATION: 750.853..854,860,942,945
OTHER INFORMATION: n=a, g, c or t

US-09-671-317-388

QY Query Match 19.5%; Score 319.2; DB 4; Length 1001;
Best Local Similarity 93.5%; Pred. No. 3e-83;
Matches 333; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
1 GATCAGGTGTGAGGAAGTCCATCATGAGGTCTGACAGTCAAGTCTTGGTATTCTGC 60

DB 356 GATCAGGTGTGAGGAAGTCCATCATGAGGCCGAGAAATCAGCTTGTGATTTGGGC 297
QY 61 TCCGTGAGCTCTTCTGTGTGGCTGTGATTCCTGAGGAAAGTCCGTGTGGCCCTGTG 120
DB 296 TCCGTGAGCTCTTCTGTGTGGCTGTGATTCCTGAGGAAAGTCCGTGTGGCCCTGTG 237
QY 121 ACATGAGCAATGGCTTAATGTCAGATGATCTAGAGAGGCTCATAGTGAAGGCCATG 180
DB 236 ACATGAGCAATGGCTTAATGTCAGATGATCTAGAGAGGCTCATAGTGAAGGCCATG 177
QY 181 AGGTAACTGATTTACTCACTCAAGCTTCTGTTAATGACTTCAGAGAACCTTCTGCAT 240
DB 176 AGGTAACTGATTTACTCACTCAAGCTTCTGTTAATGACTTCAGAGAACCTTCTGCAC 117
QY 241 TGAATTTGAGGTGCGCATATGCGCACAGAGACGAGAGAAATGAAATTTGTTG 300
DB 116 TGAATTTGAGGTGCGCATATGCGCACAGAGATGAACAGAAAAATGAAATTTGTTG 57
QY 301 ACCTAGCTCTGAATGCTTGGCAGGCTTATCAACCTGGCAATCAGTTATTAATTA 356
DB 56 ACCTAGCTCTGAATGCTTGGCAGGCTTATCAACCTGGCAATCAGTTATTAATTA 1

RESULT 9

US-09-671-317-389/c
Sequence 389, Application US/09671317
Patent No. 6528260
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bouguerelet, Lydie
APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIALLERIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62. US3. CIP
CURRENT APPLICATION NUMBER: US/09/671.317
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 09/536.178
PRIOR FILING DATE: 2000-03-23
PRIOR APPLICATION NUMBER: PCT/IB00/00403
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: US 60/126.269
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/131.961
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pm
SEQ ID NO 389
LENGTH: 1001
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 501
OTHER INFORMATION: 12-906-154 : polymorphic base A or C
NAME/KEY: misc_binding
LOCATION: 481..500
OTHER INFORMATION: 12-906-154.mis1, potential
NAME/KEY: misc_binding
LOCATION: 502..521
OTHER INFORMATION: 12-906-154.mis2, potential complement
NAME/KEY: primer_bind
LOCATION: 348..367
OTHER INFORMATION: upstream amplification primer
NAME/KEY: primer_bind
LOCATION: 804..824
OTHER INFORMATION: downstream amplification primer, complement
NAME/KEY: misc_binding
LOCATION: 489..513
OTHER INFORMATION: 12-906-154 potential probe
NAME/KEY: misc_feature
LOCATION: 745,848..849,855,937,940
OTHER INFORMATION: n=a, g, c or t

OTHER INFORMATION: n=a, g, c or t

US-09-671-317-389

Query Match 19.2%; Score 314.2; DB 4; Length 1001;
Best Local Similarity 93.4%; Pred. No. 8.7e-82;
Matches 388; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCCATCATGAGTCTGCAAGTCAAGCTTTGATTTCTGC 60
DB 351 GATCAGTGTGTGAGGAACTGCCATCATGAGGCTCCGAGAGTCAAGCTTTGATTTCTGC 292
QY 61 TCCTGCACTCTTCTGTGTGCTGTGATTTCTGTGAGAAAGTCTGTGTGCTGTG 120
DB 291 TCCTGCACTCTTCTGTGTGCTGTGATTTCTGTGAGAGTCTGTGTGCTGTG 232
QY 121 ACATGAGCCATTTGATTTGATGATGATTTGAGAGGCTCATGAGAGGCTCATG 180
DB 231 ACATGAGCCATTTGATTTGATGATGATTTGAGAGGCTCATGAGAGGCTCATG 172
QY 181 AGGTACAGTATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTG 240
DB 171 AGGTACAGTATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTG 112
QY 241 TGAATTTGAGTGTGCTCATGATTTGAGAGGAGAGAGAGAGAGAGAGAGAGAGAG 300
DB 111 TGAATTTGAGTGTGCTCATGATTTGAGAGGAGAGAGAGAGAGAGAGAGAGAGAG 52
QY 301 ACTTACTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 351
DB 51 ACTTACTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 1

RESULT 10

US-09-305-856B-17
Sequence 17, Application US/09305856B
Patent No. 6479236

GENERAL INFORMATION:
APPLICANT: Penny, Laura
APPLICANT: Galvin, Margaret
TITLE OF INVENTION: Genotyping the Human
FILE REFERENCE: 4389-7 (formerly SEQ-17CIP)
CURRENT APPLICATION NUMBER: US/09/305,856B
PRIOR FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 60/084,807
PRIOR FILING DATE: 1998-05-07
NUMBER OF SEQ ID NOS: 124
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 17
LENGTH: 735
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(735)
US-09-305-856B-17

Query Match 16.6%; Score 272.2; DB 4; Length 735;
Best Local Similarity 62.3%; Pred. No. 1.3e-69;
Matches 427; Conservative 0; Mismatches 258; Indels 0; Gaps 0;

QY 891 GAAATGAAATTTTGTCCAGAGTTCAGAGGAGAGATGATTTGATTTGATTTGATTTG 950
DB 1 GAAATGAAATTTTGTCCAGAGTTCAGAGGAGAGATGATTTGATTTGATTTGATTTG 60
QY 951 TCAGTGTTCAGAAATGTTACAGAGAAAGCTAATATCATTTGCTTCAAGCCCTTGCAG 1010
DB 61 TCAGTGTTCAGAAATGTTACAGAGAAAGCTAATATCATTTGCTTCAAGCCCTTGCAG 120
QY 1011 ATCCCAAGAGGTGTATGAGAGTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1070
DB 121 ATCCCAAGAGGTGTATGAGAGTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 180
QY 1071 ACTGCGTGTATGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 1130

DB 181 AGCATACTTGTTAAGGTGCTACCCCAAGAGATTTGCTGTGCTACCCGATGAGCCGTGCC 240

QY 1131 TTTATCATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1190

DB 241 TTTATCATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 300

QY 1191 GTGGAGTCCCATATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1250

DB 301 GTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 360

QY 1251 GCAGTGTAGAAATTAATTTCAAACTATGACAGAGAGAGATTTACTGAGGCTTTGAG 1310

DB 361 GGTGAGTACCTGTAAATTTCTGAGAAATGATTTGAGAAATTTGAGAAATTTGAGAA 420

QY 1311 ACAGTATTTACGATTTCTTTATTAAGAGATGATGATGATGATGATGATGATGATG 1370

DB 421 GCAGTGTAGAAATTAATTTCAAACTATGACAGAGAGATTTACTGAGGCTTTGAG 480

QY 1371 GATCAACCTGTAAAGCCCTGATGAGAGAGATTTGATGATGATGATGATGATGATG 1430

DB 481 GATCAACCTGTAAAGCCCTGATGAGAGAGATTTGATGATGATGATGATGATGATG 540

QY 1431 AAGAGCCAGACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1490

DB 541 AAGAGCCAGACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 600

QY 1491 ATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1550

DB 601 TTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 660

QY 1551 TGTGTTTATTTTCTGCTGCAAAAT 1575

DB 661 TGTGTTTATTTTCTGCTGCAAAAT 685

RESULT 11

US-09-671-317-390/C
Sequence 390, Application US/09671317
Patent No. 6528260

GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bouquelier, Lydie
TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62.US3.CIP
CURRENT APPLICATION NUMBER: US/09/671,317
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 09/536,178
PRIOR FILING DATE: 2000-03-23
PRIOR APPLICATION NUMBER: PCT/IB00/00403
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: US 60/126,269
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/131,961
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pm
SEQ ID NO 390
LENGTH: 1001
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 501
OTHER INFORMATION: 12-906-251 : polymorphic base A or T
NAME/KEY: misc_binding
LOCATION: 481..500
OTHER INFORMATION: 12-906-251.misl, potential
NAME/KEY: misc_binding
LOCATION: 502..521
OTHER INFORMATION: 12-906-251.mis2, potential complement

NAME/KEY: primer blind
LOCATION: 251..270
OTHER INFORMATION: upstream amplification primer
NAME/KEY: primer blind
LOCATION: 707..727
OTHER INFORMATION: downstream amplification primer, complement
NAME/KEY: misc binding
LOCATION: 489..513
OTHER INFORMATION: 12-906-251 potential probe
NAME/KEY: misc feature
LOCATION: 648,751..752,758,840,843
OTHER INFORMATION: n=a, g, c or t
US-09-671-317-390

Query Match 13.7%; Score 223.6; DB 4; Length 1001;
Best Local Similarity 92.5%; Pred. No. 2.3e-55;
Matches 235; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 1 GATCAGGTGTGAGGAACTGCCATCATGAGTCTGCAAGTCAAGTCTTTGGTATTTCTGC 60
DB 254 GATCAGGTGTGAGGAACTGCCATCATGAGTCTGCAAGTCAAGTCTTTGGTATTTCTGC 135
QY 61 TCCTGCACTCTTCTGTGTGGCTGTGATTTCTGTGAAAAGTCTGTGCTGTG 120
DB 194 TCCTGCACTCTTCTGTGTGGCTGTGATTTCTGTGAAAAGTCTGTGCTGTG 135
QY 121 ACATGACCTTGGCTTATATGTCAAGTCTATCTAGAAAGCTCATATGTGAGGCCATG 180
DB 134 ACATGACCTTGGCTTATATGTCAAGTCTATCTAGAAAGCTCATATGTGAGGCCATG 75
QY 181 AGGTACAGTATGACTCACTCAAAAGCTTCGTAATTTGACTACAGAAAGCTTCTGCAT 240
DB 74 AGGTACAGTATGACTCACTCAAAAGCTTCTGTAATTTGACTACAGAAAGCTTCTGCAC 15
QY 241 TGAATTTGAGGTG 254
DB 14 TGAATTTGAGGTG 1

RESULT 12
US-09-356-806-114
Sequence 114, Application US/09356806
Patent No. 6586175
GENERAL INFORMATION:
APPLICANT: Penny, Laura
APPLICANT: Galvin, Margaret
APPLICANT: Miller, Andrew
APPLICANT: Reidy, Michael
TITLE OF INVENTION: Genotyping Human
TITLE OF INVENTION: UDP-glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
TITLE OF INVENTION: 2B15 (UGT2B15) Genes
FILE REFERENCE: SEQ-22PRV2
CURRENT APPLICATION NUMBER: US/09/356,806
CURRENT FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 164
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 114
LENGTH: 2312
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (692)...(1425)
US-09-356-806-114

Query Match 12.2%; Score 200.2; DB 4; Length 2312;
Best Local Similarity 56.6%; Pred. No. 2.4e-46;
Matches 417; Conservative 0; Mismatches 308; Indels 12; Gaps 2;
QY 24 ATCATGAGTCTGCAAGTCAAGTCTTTGGTATTTCTGCTCTGCAAGTCTTCTGT--GTT 80
DB 696 ACCGAGATGCTCTGAAATGAGCGTCAAGTCTTCTGCTGATACAGCTCAAGTGTACTCTT 755

QY 81 GGCTGTGATTTCTGTGAAAAGTCTGTGTGGCCCTGTGTGACATGAGCCATTGCTTAAT 140
DB 756 AGCTCTGAAAGCTGTGAAAAGTGTAGTGTGGCCACAGAAATACAGCCATTGATTAAT 815
QY 141 GTCAAGTCACTTGAAGAGCTCATAGTGAAGGCCATGAGTTACAGTATGACTCAC 200
DB 816 ATGAAACAATCTTGAAAGGCTTGTTCAGAGGGGTCATGAGGTGACTGTGTGAACATCT 875
QY 201 TCAAGCCTTCGTAATTTGACTACAGAAAGCTTCTGCAATTTGAATTTAGGTGTTCAT 260
DB 876 TCGGCTTCTACTTGTGTCAATGCAATTAATCATCTGCTATTTAATTTAGAAATTTATCT 935
QY 261 ATGCC-----ACAGACAGAACAGAAAGAAATGAAATATTTGTGACCTAGCTGTG 311
DB 936 ACATCTTAACTAAATATGATTTGAAAGATTCCTCTGAAATTTCTCGATGATGATA 995
QY 312 AATGCTTGGCCAGGCTTATCACTTGGCAATCATGTAATTAATTAATGATTTTGTGT 371
DB 996 TATGCTGTTCAAAAATCATTTTGTGTCATATTTTTCACAAATTACAGAAATGTGTGG 1055
QY 372 GAATAAGAGAACTTTAAATATGATGTGAGAGCTTTATCTACATCAGAGCTTATG 431
DB 1056 GAATATTAATGACTACAGTAACAGTCTGTAAAGATGACGTTTGAATTAAGAACTTATG 1115
QY 432 AAGAGCTACAGAAACCACTACAGATGTAATGCTTATAGACCTGTGATTCCTGTGA 491
DB 1116 ATGAACTACAAAGTCAAAAGTTGATGTGATTCCTGTGAGATGCCCTAATTCCTGTGT 1175
QY 492 GACCTGATGCTGATGCTTGTGCAATCCCTTTTGTGTCTACATTTGAAATTTCTGTAGA 551
DB 1176 GACCTGATGCTGATGCTTGTGCAATCCCTTTTGTGTCTACATTTGAAATTTCTGTAGA 1235
QY 552 GCGAATATGAGGAAAGCTGTGAAAAGCTTCCAGCTTCACTTCTGATGACCTGTGCT 611
DB 1236 TACACATTTGAGAAAGATGTGAGATTTCTGTCCCTCTCTCATATGACCTGTGT 1295
QY 612 ATGACAGACTTACAGACAGATGATGATTTCTGAAAAGATTAATTAATGATGCTTCA 671
DB 1296 ATGTCAGAAATTAATGATGATTAATGATTTCTGATGAGATTAATTAATGATGATG 1355
QY 672 GTTTTGTTCACCTTGTGATTCAGATTTACATATTTTGGAGAGCTTTTATAGT 731
DB 1356 CTTTATTTGACCTTGTGTTTCAATTTATGATCTGAAAGGTGGACAGTTTATAGT 1415
QY 732 AAGCAATTAGAAAGGC 748
DB 1416 AAGCTTCTAGTAAATG 1432

RESULT 13
US-09-671-317-424
Sequence 424, Application US/09671317
Patent No. 6528260
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bougueleret, Lydie
TITLE OF INVENTION: BIOMOLECULAR MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62.US.CIP
CURRENT APPLICATION NUMBER: US/09/671,317
CURRENT FILING DATE: 2000-09-27
PRIORITY APPLICATION NUMBER: US 09/536,178
PRIORITY FILING DATE: 2000-03-23
PRIORITY APPLICATION NUMBER: PCT/IB00/00403
PRIORITY FILING DATE: 2000-03-24
PRIORITY APPLICATION NUMBER: US 60/126,269
PRIORITY FILING DATE: 1999-03-25
PRIORITY APPLICATION NUMBER: US 60/131,961
PRIORITY FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pm
SEQ ID NO 424

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; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-612-41 : polymorphic base C or T
; NAME/KEY: misc_binding
; LOCATION: 481..500
; OTHER INFORMATION: 12-612-41.misl, potential
; NAME/KEY: misc_binding
; LOCATION: 502..520
; OTHER INFORMATION: 12-612-41.mis2, complement
; NAME/KEY: primer_bind
; LOCATION: 461..481
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 981..1001
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-612-41 potential probe
; NAME/KEY: misc_feature
; LOCATION: 383
; OTHER INFORMATION: n=a, g, c or t
; US-09-671-317-424

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Query Match 12.0%; Score 197; DB 4; Length 1001;

Best Local Similarity 74.5%; Pred. No. 1.3e-47; Matches 248; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

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QY 1289 AGATTACTGAGGGCTTGGAGACAGTCATTCACGATTCCTCTATTAAGAAAGCTCTAT 1348
DB 667 AATTACTTCTTAATGATGATCTTATTTATTTATCTTCACTTAATTAAGAAATATCAT 726
QY 1349 GAGATTATCAGAAATTCACCATGATCAACCTGTAAAGCCCTGATGAGCACTCTTCTG 1408
DB 727 GAATTATCAGAAATTCATCATGATCATACCCGTAAGCCCTGATGAGCACTCTTCTG 786
QY 1409 GATCGATTGTCATGCGCCCAAGAGAGCAAGCACTGCGATCACTGCGCCCACTTACCT 1468
DB 787 GATTGATTGTCATGCGCCCAAGAGAGCAAGCACTGCGATCACTGCGCCCACTTACCT 846
QY 1469 CACCTGATTCAGACATCACTCTATAGATGATGATGATGATGATGATGATGATGATGAT 1528
DB 847 CACCTGATTCAGACATCACTCTTGAATGATGATGATGATGATGATGATGATGATGATGAT 906
QY 1529 TGTATATCTTCTGTCACAAATGTTTTTATTTCTGTCACAAATTTTAAATTAAGTAG 1588
DB 907 TATGATATTTATGATCACAAAAGTTGCTGTTTCTTCCGAAGCTTCCCAAAACAGG 966
QY 1589 AAAGATGAAAAGAGGAAATAGATCTTTCCAAA 1621
DB 967 AAAGAGAAAAGAGGATAGTATATATCAAAA 999

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RESULT 14

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; US-09-356-806-1
; Sequence 1, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356, 806
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 1
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: Other
; LOCATION: (140) ... (897)
; US-09-356-806-1

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Query Match 12.0%; Score 195.8; DB 4; Length 1323;

Best Local Similarity 56.2%; Pred. No. 3.5e-47; Matches 412; Conservative 0; Mismatches 312; Indels 9; Gaps 2;

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QY 23 CATCATGAGCTGACCAAGTCACTTGTGATTTCTGCTCCGCGACCTTCTCTGT---GT 79
DB 170 CATCAGAGATGCTATGAATGAGATTCAGCTCTTCTGCTGATACAGCTGAGCTTACTT 229
QY 80 TGGCTGTGATTCGTGGGAAAGTCTGTGTGCGCTGTGACATGAGCCATTGCTTAA 139
DB 230 TAGCTCTGGAGTTGTGAAAGTGTCTGTGTGCGCCACAGAAATTCAGCCACTGATGA 289
QY 140 TGTCAAGCTCATTTAGAAAGCTCATAGTAGAGAGCCATGAGTAAAGTATTAATCA 199
DB 290 TATTAAGACAATCTGATGATGATCTGTCAGAGAGTCAATGATGATGATGATGATC 349
QY 200 CTCAAGGCTTCTGATTAATGATCTACAGAGAGCTTCTGATGATGATGATGATGATGAT 259
DB 350 TTACCTTCTCATTTTCTGATCCACAGCCCATCTCATTAATTTGAAGTTTATTC 409
QY 260 TATGCGACAGACAGACAGAAAGAAATGAAATATTTGTTGACCTAGCTCTGA-----A 313
DB 410 TGTATCTTTAATAAAGTGTGAGATATTTCAAGCACTGCTGTTAAGAGATGGGC 469
QY 314 TGTCTTGCAGGCTTATCACTGCAATCACTTAATTAATTAATTAATTAATTAATTAAT 373
DB 470 AGAATCTCCAAAAGACATTTTGTGCTATTTTTCACAGTACAAAGAAATCATGTGAC 529
QY 374 AATAAGAGAAATTTAAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 433
DB 530 ATTTATGATGATCTTAAAGATCTGTAAGATATGATCTTAAATTAAGAAATTAATTA 589
QY 434 GAAGTACAGAGAAACCACTAGATGATGATGATGATGATGATGATGATGATGATGATGAT 493
DB 590 GAAATTAAGAGATGAAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 649
QY 494 CCGATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 553
DB 650 GCTGCTGCGCGAGTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 709
QY 554 CAATATGAGAGCAAGCTGTGGAATCTTCCAGCTCACTTTCTGATGATGATGATGATGAT 613
DB 710 CGCAATTAAGAAAGCATATGATGATGATGATGATGATGATGATGATGATGATGATGAT 769
QY 614 GACAGAGTAAACAGACAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 673
DB 770 GTCAAGATTAAGTGAACCAATGATCTTCAATAGAGAGGTTAAATTAATTAATTAAT 829
QY 674 TTTGTTCACTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 733
DB 830 TTAATTTGAATTTGTTCCAAATATTTGACATGAAGAGTGGATGATGATGATGATGAT 889
QY 734 GGCATTAGGAAG 746
DB 890 AGTTCTAGTAAAG 902

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RESULT 15

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; US-09-356-806-45
; Sequence 45, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret

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APPLICANT: Miller, Andrew
APPLICANT: Reidy, Michael
TITLE OF INVENTION: Genotyping Human
TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
TITLE OF INVENTION: 2B15 (UGT2B15) Genes
FILE REFERENCE: SEQ-22PRV2
CURRENT APPLICATION NUMBER: US/09/356,806
CURRENT FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 164
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 45
LENGTH: 596
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (19)... (549)
US-09-356-806-45

Query Match 11.9%; Score 195.4; DB 4; Length 596;
Best Local Similarity 79.2%; Pred. No. 3e-47;
Matches 232; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 1325 TTCTCTTATTAAGAGAGATGCTATGAGATTATCAAGATTCCACCATGATCACTGTAA 1384
14 TTTCAGATATAAAGAGATGTATGAATTTATCAAGATTCAACATGATCAACAGTGAA 73
QY 1385 GCGCCCTAGATCGAGAGCTTTCTGATCGAGTTTGTATCGAGCCGACAAAGAGCCAGCA 1444
74 GCGCCCTGATCGAGAGCTTTCTGATGTGAATTTGTATCGAGCCGACAAAGAGCTAAACA 133
QY 1445 CCTGCGATCAGTGCCTGATGACCTCACTGTTCCAGCACTACTATATAGATGATTGG 1504
134 CTTTCGGGTGAGCCGACCACTCACTGTTCCAGTACCACTTTGATGATTGG 193
QY 1505 GTTCTGCTGACCTGTGTGCAACTGCTATATTTCTGTTCACAAATGTTTTTATTTTC 1564
194 GTTCTGCTGCTGTGTGTGCAACTGCTATATTTATGTCACAAATGTTGTCTGTTTG 253
QY 1565 CTGTCAAAATTTAATAAATACTAGAAAGATAGAAAGAGGAATAGATCTTTC 1617
254 TTTCGTGAAGTTGTAGAAAGCAAAAGAGGAAATAATGATTAGTTATATC 306
Db

Search completed: December 14, 2003, 00:17:35
Job time: 116.144 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 13, 2003, 23:51:02 : Search time 527.905 Seconds
(Without alignments)
10299.979 Million cell updates/sec

Title: US-09-981-353-165

Perfect score: 1636
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Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Published Applications NA:
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2: /cgn2_6/ptodata/1/pubpna/PCR_NEW_PUB.seq:*
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4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
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6: /cgn2_6/ptodata/1/pubpna/PCUS_PUBCOMB.seq:*
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9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
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11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1636	100.0	1636	10	US-09-981-353-165 Sequence 165, App
2	1636	100.0	2966	13	US-09-981-353-33 Sequence 33, App
3	1636	100.0	2974	13	US-10-199-672-521 Sequence 521, App
4	1636	100.0	2974	13	US-10-187-748-521 Sequence 521, App
5	1636	100.0	2974	13	US-10-194-457-521 Sequence 521, App
6	1636	100.0	2974	13	US-10-184-642-521 Sequence 521, App
7	1636	100.0	2974	13	US-10-196-747-521 Sequence 521, App
8	1636	100.0	2974	13	US-10-173-689-521 Sequence 521, App
9	1636	100.0	2974	13	US-10-173-690-521 Sequence 521, App
10	1636	100.0	2974	13	US-10-173-691-521 Sequence 521, App
11	1636	100.0	2974	13	US-10-173-692-521 Sequence 521, App
12	1636	100.0	2974	13	US-10-173-694-521 Sequence 521, App
13	1636	100.0	2974	13	US-10-173-698-521 Sequence 521, App
14	1636	100.0	2974	13	US-10-173-699-521 Sequence 521, App
15	1636	100.0	2974	13	US-10-173-707-521 Sequence 521, App

16	1636	100.0	2974	13	US-10-174-569-521 Sequence 521, App
17	1636	100.0	2974	13	US-10-174-583-521 Sequence 521, App
18	1636	100.0	2974	13	US-10-174-589-521 Sequence 521, App
19	1636	100.0	2974	13	US-10-174-589-521 Sequence 521, App
20	1636	100.0	2974	13	US-10-174-591-521 Sequence 521, App
21	1636	100.0	2974	13	US-10-175-736-521 Sequence 521, App
22	1636	100.0	2974	13	US-10-175-742-521 Sequence 521, App
23	1636	100.0	2974	13	US-10-175-744-521 Sequence 521, App
24	1636	100.0	2974	13	US-10-175-745-521 Sequence 521, App
25	1636	100.0	2974	13	US-10-175-748-521 Sequence 521, App
26	1636	100.0	2974	13	US-10-175-751-521 Sequence 521, App
27	1636	100.0	2974	13	US-10-175-754-521 Sequence 521, App
28	1636	100.0	2974	13	US-10-176-480-521 Sequence 521, App
29	1636	100.0	2974	13	US-10-176-489-521 Sequence 521, App
30	1636	100.0	2974	13	US-10-176-754-521 Sequence 521, App
31	1636	100.0	2974	13	US-10-176-755-521 Sequence 521, App
32	1636	100.0	2974	13	US-10-176-759-521 Sequence 521, App
33	1636	100.0	2974	13	US-10-176-920-521 Sequence 521, App
34	1636	100.0	2974	13	US-10-176-922-521 Sequence 521, App
35	1636	100.0	2974	13	US-10-176-924-521 Sequence 521, App
36	1636	100.0	2974	13	US-10-176-984-521 Sequence 521, App
37	1636	100.0	2974	13	US-10-179-508-521 Sequence 521, App
38	1636	100.0	2974	13	US-10-179-512-521 Sequence 521, App
39	1636	100.0	2974	13	US-10-179-515-521 Sequence 521, App
40	1636	100.0	2974	13	US-10-179-702-521 Sequence 521, App
41	1636	100.0	2974	13	US-10-173-703-521 Sequence 521, App
42	1636	100.0	2974	13	US-10-174-704-521 Sequence 521, App
43	1636	100.0	2974	13	US-10-174-574-521 Sequence 521, App
44	1636	100.0	2974	13	US-10-176-486-521 Sequence 521, App
45	1636	100.0	2974	13	US-10-176-490-521 Sequence 521, App

ALIGNMENTS

RESULT 1
US-09-981-353-165
Sequence 165, Application US/09981353
Patent No. US20020160382A1
GENERAL INFORMATION:
APPLICANT: Lasex, Amy W.
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
FILE REFERENCE: PA-0038 US
CURRENT APPLICATION NUMBER: US/09/981,353
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PERL Program
SEQ ID NO 165
LENGTH: 1636
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020160382A1 2434655CB1
US-09-981-353-165

Query Match 100.0%; Score 1636; DB 10; Length 1636;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GATCAGTGTGTGAGGGAACCTGCATATAGAGTCTGACAAAGTCAGCTTGTGATTTCTGC	60
DB	1	GATCAGTGTGTGAGGGAACCTGCATATAGAGTCTGACAAAGTCAGCTTGTGATTTCTGC	60
QY	61	TCTGTGAGCTCTTCTGTGTGCTGTGATTCGTGGGAAAGTCCTGTGGCCCTGTG	120
DB	61	TCTGTGAGCTCTTCTGTGTGCTGTGATTCGTGGGAAAGTCCTGTGGCCCTGTG	120
QY	121	ACATGAGCATTGGCTTAATGTCAGAGTCATTCTAGAGAGCTCATATAGAGAGCCATG	180
DB	121	ACATGAGCATTGGCTTAATGTCAGAGTCATTCTAGAGAGCTCATATAGAGAGCCATG	180

QY	18	AGGTAACAGTATGCTACCTCAACCAAGCTTGTTAAATGACTACAGGAAGCTTCGAT	240
Db	181	AGGTAACAGTATGCTACCTCAACCAAGCTTGTTAAATGACTACAGGAAGCTTCGAT	240
QY	241	TGAATTTGAGGTGATCCATATGCGACAGACAGAACAGAAAGAAATATTTGTG	300
Db	241	TGAATTTGAGGTGATCCATATGCGACAGACAGAACAGAAAGAAATATTTGTG	300
QY	301	ACCTAGCTCTGAATGTCTTGCCAGGCTTATCACTGGCAATCAGTTATAAATTTAATG	360
Db	301	ACCTAGCTCTGAATGTCTTGCCAGGCTTATCACTGGCAATCAGTTATAAATTTAATG	360
QY	361	ATTTTGTGTTGAATATAGAGAACTTTAAAAAAGATGTGAGAGCTTTTATCTACAATC	420
Db	361	ATTTTGTGTTGAATATAGAGAACTTTAAAAAAGATGTGAGAGCTTTTATCTACAATC	420
QY	421	AGACGCTTATAGAGAGCTTACAGGAAACCAACTACGATATATGTTATAGACCTGTGA	480
Db	421	AGACGCTTATAGAGAGCTTACAGGAAACCAACTACGATATATGTTATAGACCTGTGA	480
QY	481	TTCCCTGTGAGACCTGATGCTGAGTTGCTTGCAATCCCTTTGTGCTCACACTTAGAA	540
Db	481	TTCCCTGTGAGACCTGATGCTGAGTTGCTTGCAATCCCTTTGTGCTCACACTTAGAA	540
QY	541	TTTCTGTAGAGGGCAATTAGAGGGAAGCTGTGGAAACTTCCAGATCCACTTTCCTATG	600
Db	541	TTTCTGTAGAGGGCAATTAGAGGGAAGCTGTGGAAACTTCCAGATCCACTTTCCTATG	600
QY	601	TACCTGTGCTATGACAGGACTTAACAGACAGATGACCTTCTGGAAAGATTAATAAT	660
Db	601	TACCTGTGCTATGACAGGACTTAACAGACAGATGACCTTCTGGAAAGATTAATAAT	660
QY	661	CAATGCTTTCAGTTTGTTCACATTCGTGATTCAGAGATTACGACTATCATTTTGGGAG	720
Db	661	CAATGCTTTCAGTTTGTTCACATTCGTGATTCAGAGATTACGACTATCATTTTGGGAG	720
QY	721	AGTTTATATAGTAAGGCAATTAGAGAGGCCCACTACATTATGTGAGACTGTGGAAAAGCTG	780
Db	721	AGTTTATATAGTAAGGCAATTAGAGAGGCCCACTACATTATGTGAGACTGTGGAAAAGCTG	780
QY	781	AGATATGGCTATATAGAACTATTTGGGATTTTGAATTTCTCTCAACCATACCAACTAAT	840
Db	781	AGATATGGCTATATAGAACTATTTGGGATTTTGAATTTCTCTCAACCATACCAACTAAT	840
QY	841	TTGAGTTTGTGAGAGATTGCACTGTAAACCTGCCAAAGCTTTGTGCTAAGAAATGAGAA	900
Db	841	TTGAGTTTGTGAGAGATTGCACTGTAAACCTGCCAAAGCTTTGTGCTAAGAAATGAGAA	900
QY	901	ATTTTGTCCAAAGTTCAAGGGGAAGATGATATTTGGTGTCTTCTGTGGGTGCACTGTTC	960
Db	901	ATTTTGTCCAAAGTTCAAGGGGAAGATGATATTTGGTGTCTTCTGTGGGTGCACTGTTC	960
QY	961	AAAATGTTACAGAAAGAAAGGCTAATATCATTTGCTTCAGCCCTTGCCAGATCCCAAGA	1020
Db	961	AAAATGTTACAGAAAGAAAGGCTAATATCATTTGCTTCAGCCCTTGCCAGATCCCAAGA	1020
QY	1021	AGGTGTTATGAGAGGTACAAAGGAAAAAAACAATCCACTTATGAGGCCAATCTGGCTGT	1080
Db	1021	AGGTGTTATGAGAGGTACAAAGGAAAAAAACAATCCACTTATGAGGCCAATCTGGCTGT	1080
QY	1081	ATGATTTGATATCCCGAATATGATCTTCTTGCTCATCCAAAAACCAAGCTTTTATCACTC	1140
Db	1081	ATGATTTGATATCCCGAATATGATCTTCTTGCTCATCCAAAAACCAAGCTTTTATCACTC	1140
QY	1141	ATGTGGAATAAATGAGATCTATGAGAGTATTTACATGGGGTCCCTATGTGGGAGATTC	1200
Db	1141	ATGTGGAATAAATGAGATCTATGAGAGTATTTACATGGGGTCCCTATGTGGGAGATTC	1200
QY	1201	CCATATTTGTGATCAGCTTGATATACATAGCTCAATAGAGGCCAAAGAGACAGCTGTAG	1260
Db	1201	CCATATTTGTGATCAGCTTGATATACATAGCTCAATAGAGGCCAAAGAGAGAGCTGTAG	1260
QY	1261	AAATTAACCTCAAACTATGACAAAGCAAGATTTATCTGAGGGCTTTGAAACAATGCTATTA	1320

Db	1261	AAATTAACCTTCAAAACCTATGACGACGAGATTTACTGAGGGCTTTGAGAACGTCATTA	1321
Qy	1321	CCGATTCCTCTTATPAAGAGAAATGCTATGAGATTATCAAGAAATTACCATGATCAACTG	1381
Db	1321	CCGATTCCTCTTATPAAGAGAAATGCTATGAGATTATCAAGAAATTACCATGATCAACTG	1381
Qy	1381	TAAAGCCCTTATGATCGAGCACTCTTCTGAGATCGAGTTTGTCATGCGCCACAAAGAGCCA	1441
Db	1381	TAAAGCCCTTATGATCGAGCACTCTTCTGAGATCGAGTTTGTCATGCGCCACAAAGAGCCA	1441
Qy	1441	AGCACCTGCGATCACTGCTGCCATGATCACTCACTGGTTTCAGACACTACTCTATGATGTA	1501
Db	1441	AGCACCTGCGATCACTGCTGCCATGATCACTCACTGGTTTCAGACACTACTCTATGATGTA	1501
Qy	1501	TTGGGTTCTGCTGACCTGTGTGCACTGCTATATCTTGTTCACAAATGTTTTTAT	1561
Db	1501	TTGGGTTCTGCTGACCTGTGTGCACTGCTATATCTTGTTCACAAATGTTTTTAT	1561
Qy	1561	TTTCTCTGTCAAAATTTTAAATAAACTGAAAGATGAAAGGGAATGATCTTCCCA	1621
Db	1561	TTTCTCTGTCAAAATTTTAAATAAACTGAAAGATGAAAGGGAATGATCTTCCCA	1621
Qy	1621	ATTCAAGAAAGACCTG 1636	
Db	1621	ATTCAAGAAAGACCTG 1636	
RESULT 2			
US-09-981-353-33			
Sequence 33, Application US/09981353			
Patent No. US20020160382A1			
GENERAL INFORMATION:			
APPLICANT: Laeak, Amy W.			
APPLICANT: Jones, David A.			
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER			
FILE REFERENCE: PA-0038 US			
CURRENT APPLICATION NUMBER: US/09/981,353			
CURRENT FILING DATE: 2001-10-11			
NUMBER OF SEQ ID NOS: 194			
SOFTWARE: PERL Program			
SEQ ID NO 33			
LENGTH: 2966			
TYPE: DNA			
ORGANISM: Homo sapiens			
FEATURE:			
NAME/KEY: misc feature			
OTHER INFORMATION: Incyte ID No. US20020160382A1 997080.1			
US-09-981-353-33			
Query Match			
Best Local Similarity 100.0%; Score 1636; DB 10; Length 2966;			
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0			
Qy	1	GATCAGTGTGAGAGGAACGCGCATCATGAGTCTGACAGTCACTTGTGATTTCTGC	60
Db	4	GATCAGTGTGAGAGGAACGCGCATCATGAGTCTGACAGTCACTTGTGATTTCTGC	63
Qy	61	TCCTCGAGCTTTCTGTTGTGGCTGTGATTTCTGTGGGAAAGTCTGTGTGTGGCCTGTG	120
Db	64	TCCTCGAGCTTTCTGTGTGTGGCTGTGATTTCTGTGGGAAAGTCTGTGTGTGGCCTGTG	123
Qy	121	ACATGAGCCATTGCTTATATGTCAAGGTCAATTTAGAAAGCTCATATGTAGAGGCGCATG	180
Db	124	ACATGAGCCATTGCTTATATGTCAAGGTCAATTTAGAAAGCTCATATGTAGAGGCGCATG	183
Qy	181	AGGTAAACGATTTGACTCATCTCAACAGCTTGTATTTAGTACACGAAAGCTTTCTGCAT	240
Db	184	AGGTAAACGATTTGACTCATCTCAACAGCTTGTATTTAGTACACGAAAGCTTTCTGCAT	243
Qy	241	TGAAATTTGAGTGTGCTCATATGCGACAGGACAGAAAGAAATGAAATATTTGTTG	300
Db	244	TGAAATTTGAGTGTGCTCATATGCGACAGGACAGAAAGAAATGAAATATTTGTTG	303

QY 301 ACCAGCTGAAGTCTTGCGAGGCTTATCAACCTGGCAATGATTATAAATTAATG 360
 Db 304 ACCTAGCTGAAGTCTTGCGAGGCTTATCAACCTGGCAATGATTATAAATTAATG 363
 QY 361 ATTTTGTGTAATTAAGAGAACTTTAAAAATGATGTGTGAGAGCTTTATCTACATC 420
 Db 364 ATTTTGTGTAATTAAGAGAACTTTAAAAATGATGTGTGAGAGCTTTATCTACATC 423
 QY 421 AGACGCTTAAGAGAGCTACAGAAACCACTACATGATGATGCTTATGACCTGTGA 480
 Db 424 AGACGCTTAAGAGAGCTACAGAAACCACTACATGATGATGCTTATGACCTGTGA 483
 QY 481 TTCCCTGTGAGAGCTGTGAGTGTGCTGTGAGTCCCTTTGTGCTGACCTTAGAA 540
 Db 484 TTCCCTGTGAGAGCTGTGAGTGTGCTGTGAGTCCCTTTGTGCTGACCTTAGAA 543
 QY 541 TTTCGTAGAGGCAATATGAGAGGAGCTGTGTGAAACTTCCAGCTCCACTTTCATG 600
 Db 544 TTTCGTAGAGGCAATATGAGAGGAGCTGTGTGAAACTTCCAGCTCCACTTTCATG 603
 QY 601 TACCTGTGCTTATGACAGACTTAACAGACGAATGACCTTCTGGAAGAGTAAAAAT 660
 Db 604 TACCTGTGCTTATGACAGACTTAACAGACGAATGACCTTCTGGAAGAGTAAAAAT 663
 QY 661 CAATGCTTTCAGTTTGTTCACCTTGTGAGTTCAGAGTTCAGCTATGCTTTTGGGAG 720
 Db 664 CAATGCTTTCAGTTTGTTCACCTTGTGAGTTCAGAGTTCAGCTATGCTTTTGGGAG 723
 QY 721 AGTTTATAGTAAGCACTTAGAGAGGCCACTACATTAATGTGAGACTGTGGAAAACTG 780
 Db 724 AGTTTATAGTAAGCACTTAGAGAGGCCACTACATTAATGTGAGACTGTGGAAAACTG 783
 QY 781 AGATTATGCTTAATACGAACATATTGGGATTTTGAATTTCTCAACCACTAACCTTACT 840
 Db 784 AGATTATGCTTAATACGAACATATTGGGATTTTGAATTTCTCAACCACTAACCTTACT 843
 QY 841 TTGAGTTTGTGAGGATTCAGCTGTAACCTGCAAGAGCTTTGGCTTAAGAGAAATGAAA 900
 Db 844 TTGAGTTTGTGAGGATTCAGCTGTAACCTGCAAGAGCTTTGGCTTAAGAGAAATGAAA 903
 QY 901 ATTTTGTCCAGATTCAGGAGGAGATGTATTTGTGTTCTCTGTGGGTCACTGTTTC 960
 Db 904 ATTTTGTCCAGATTCAGGAGGAGATGTATTTGTGTTCTCTGTGGGTCACTGTTTC 963
 QY 961 AAAATGTTACAGAGAAAGGCTTAATATCTGCTTCAAGCTTGTCCAGATCCACAGA 1020
 Db 964 AAAATGTTACAGAGAAAGGCTTAATATCTGCTTCAAGCTTGTCCAGATCCACAGA 1023
 QY 1021 AGTGTATATGAGAGTACAAAGAGAAAAACCATCCACTTATGAGAGCAATCTCGCTGT 1080
 Db 1024 AGTGTATATGAGAGTACAAAGAGAAAAACCATCCACTTATGAGAGCAATCTCGCTGT 1083
 QY 1081 ATGATTGATACCCAGAGATGATCTTCTGTGATCCCAAAACCAAGCTTTTATCACTC 1140
 Db 1084 ATGATTGATACCCAGAGATGATCTTCTGTGATCCCAAAACCAAGCTTTTATCACTC 1143
 QY 1141 ATGTTGAGATGAAATGGATCTATGAGCTATTTACCAATGGAGTCCCTATGTGGAGTTTC 1200
 Db 1144 ATGTTGAGATGAAATGGATCTATGAGCTATTTACCAATGGAGTCCCTATGTGGAGTTTC 1203
 QY 1201 CCATATTTGTGATCAGCTGATTAACCTTACTCACTGAAAGGCCAAAGAGAGCTGTAG 1260
 Db 1204 CCATATTTGTGATCAGCTGATTAACCTTACTCACTGAAAGGCCAAAGAGAGCTGTAG 1263
 QY 1261 AAATTAACCTCAAAAGCTATGACAGAGAGATTTACTGAGGCTTTGAGAAAGCTATTA 1320
 Db 1264 AAATTAACCTCAAAAGCTATGACAGAGAGATTTACTGAGGCTTTGAGAAAGCTATTA 1323
 QY 1321 CCGATTCTCTTATTAAGAGATGCTATGAGATTAATCAAGAAATTCACCATGATCAACTG 1380
 Db 1324 CCGATTCTCTTATTAAGAGATGCTATGAGATTAATCAAGAAATTCACCATGATCAACTG 1383

QY 1381 TAAAGCCCTAGATCAGAGAGTCTTCTGATGAGTGTGATGACCCCAAAAGAGCCA 1440
 Db 1384 TAAAGCCCTAGATCAGAGAGTCTTCTGATGAGTGTGATGACCCCAAAAGAGCCA 1443
 QY 1441 AGCAGCTGAGATCAGCTGCTCCATGACCTGCTGTTCCAGACCTAATGATGTGA 1500
 Db 1444 AGCAGCTGAGATCAGCTGCTCCATGACCTGCTGTTCCAGACCTAATGATGTGA 1503
 QY 1501 TTGGGTTCTGCTGACCTGTGTGTGCAACCTGCTATATCTTGTTCACAAAATGTTTTAT 1560
 Db 1504 TTGGGTTCTGCTGACCTGTGTGTGCAACCTGCTATATCTTGTTCACAAAATGTTTTAT 1563
 QY 1561 TTTCCTGTCAAAAATTTAATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
 Db 1564 TTTCCTGTCAAAAATTTAATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1623
 QY 1621 ATTCAAGAAAGAGCTG 1636
 Db 1624 ATTCAAGAAAGAGCTG 1639

RESULT 3
 US-10-199-672-521
 ; Sequence 521, Application US/10199672
 ; Publication No. US20030148442A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Collin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3430R1C1
 ; CURRENT APPLICATION NUMBER: US/10/199,672
 ; CURRENT FILING DATE: 2002-07-18
 ; PRIOR APPLICATION NUMBER: US/10/052,586
 ; PRIOR FILING DATE: 2002-01-15
 ; PRIOR APPLICATION NUMBER: 60/059263
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/059266
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/063120
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063121
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063486
 ; PRIOR FILING DATE: 1997-10-21
 ; PRIOR APPLICATION NUMBER: 60/063540
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063541
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063544
 ; PRIOR FILING DATE: 1997-10-28
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 521
 ; LENGTH: 2974
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; US-10-199-672-521
 Query Match 100.0%; Score 1636; DB 13; Length 2974;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GATCAGTGTGAGGAACTGCATCATGAGGTCTGACAAGTCAGCTTGGATATTCTGC	60
Db	1	GATCAGTGTGAGGAACTGCATCATGAGGTCTGACAAGTCAGCTTGGATATTCTGC	60
QY	61	TCTCGACGCTCTTCTGTGTGGCTGTGGATTTCTGTGGAAAGTCTGTGTGGCCCTGTG	120
Db	61	TCTCGACGCTCTTCTGTGTGGCTGTGGATTTCTGTGGAAAGTCTGTGTGGCCCTGTG	120
QY	121	ACATGAGCCATTGGCTTAATGTCAAGGTCATTCTAGAAAGCTCAATGTGAGAGGCCATG	180
Db	121	ACATGAGCCATTGGCTTAATGTCAAGGTCATTCTAGAAAGCTCAATGTGAGAGGCCATG	180
QY	181	AGGTAAACGATTTGACTCACTCAAAAGCCTTGTTAATTGACTACAGAAAGCCTTCTGCAT	240
Db	181	AGGTAAACGATTTGACTCACTCAAAAGCCTTGTTAATTGACTACAGAAAGCCTTCTGCAT	240
QY	241	TGAAATTTGAGAGTGGTCCATATGCCACACGACACAAACGAAAGAAATGAAATATTGTGTG	300
Db	241	TGAAATTTGAGAGTGGTCCATATGCCACACGACACAAACGAAAGAAATGAAATATTGTGTG	300
QY	301	ACCTAGCTCTAATGTCTTGGCCAGGCTTATCAACTGGCAATCAGTTATTAATAATTAAATG	360
Db	301	ACCTAGCTCTAATGTCTTGGCCAGGCTTATCAACTGGCAATCAGTTATTAATAATTAAATG	360
QY	361	ATTTTGTGTTGAATAAAGGAACTTTAAATAATGATGTGAGAGCTTATTTACAAATC	420
Db	361	ATTTTGTGTTGAATAAAGGAACTTTAAATAATGATGTGAGAGCTTATTTACAAATC	420
QY	421	AGAGGCTTAATGAAGAGCTACAGGAAACCACTACGATGATATGTTATTAACCTGTGGA	480
Db	421	AGAGGCTTAATGAAGAGCTACAGGAAACCACTACGATGATATGTTATTAACCTGTGGA	480
QY	481	TTCCCTGTGAGACCTGATGCTGATGTTGCTTGCAGATCCCTTTGTGCTCAACTTAAGA	540
Db	481	TTCCCTGTGAGACCTGATGCTGATGTTGCTTGCAGATCCCTTTGTGCTCAACTTAAGA	540
QY	541	TTTTCTGTGAGAGGCATATGAGAGGAACTGTGGGAACTTCCAGCTCCACTTTCCTATG	600
Db	541	TTTTCTGTGAGAGGCATATGAGAGGAACTGTGGGAACTTCCAGCTCCACTTTCCTATG	600
QY	601	TACCTGTGCTATGACAGGACTAAACAGACAAATGACCTTCTGGAAGATTAATAAATT	660
Db	601	TACCTGTGCTATGACAGGACTAAACAGACAAATGACCTTCTGGAAGATTAATAAATT	660
QY	661	CAATGCTTCAAGTTTGTTCACATTTCTGATTCAGAGTTACGACTATCATTTTGGGAAG	720
Db	661	CAATGCTTCAAGTTTGTTCACATTTCTGATTCAGAGTTACGACTATCATTTTGGGAAG	720
QY	721	AGTTTATAGTAAGGCAATTAGGAAGGCCCACTACATTAATGTGAGACGTGTGGAAAGCTG	780
Db	721	AGTTTATAGTAAGGCAATTAGGAAGGCCCACTACATTAATGTGAGACGTGTGGAAAGCTG	780
QY	781	AGATATGCTAATACGAACATATTGGGATTTTGAATTTCTCAACATACCAACTAAT	840
Db	781	AGATATGCTAATACGAACATATTGGGATTTTGAATTTCTCAACATACCAACTAAT	840
QY	841	TTGAGTTTGTGAGAGATGACATGTGAACCTGCGCAAAAGCTTGTGCTTAAGAAATGAAA	900
Db	841	TTGAGTTTGTGAGAGATGACATGTGAACCTGCGCAAAAGCTTGTGCTTAAGAAATGAAA	900
QY	901	ATTTTGTCCAGAGTTCAAGGGGAAATGGTATTTGTGTGTCTCTGTGGGGTCACTGTTTC	960
Db	901	ATTTTGTCCAGAGTTCAAGGGGAAATGGTATTTGTGTGTCTCTGTGGGGTCACTGTTTC	960
QY	961	AAAAATGTTACGAAGAAAGGCTAATATCATTTGCTTCAGCCCTTGTCCAGATCCACAGA	1020
Db	961	AAAAATGTTACGAAGAAAGGCTAATATCATTTGCTTCAGCCCTTGTCCAGATCCACAGA	1020
QY	1021	AGGTGTTATGAGAGTTACAAAGAAATAAACAATCCACTTAAGAGCCAAATCTGTGGCTGT	1080
Db	1021	AGGTGTTATGAGAGTTACAAAGAAATAAACAATCCACTTAAGAGCCAAATCTGTGGCTGT	1080

OY	1081	ATGATGTGATATCCCAAAATGATCTTCTGGTATCCCAAAACCAAGCTTTATCACTC	1140
Db	1081	ATGATGTGATATCCCAAAATGATCTTCTGGTATCCCAAAACCAAGCTTTATCACTC	1140
OY	1141	ATGTGTGAATGATGGGATCTATGAAAGCTTTTACATGAGGGTCCCTATGTGTGGAGTTC	1200
Db	1141	ATGTGTGAATGATGGGATCTATGAAAGCTTTTACATGAGGGTCCCTATGTGTGGAGTTC	1200
OY	1201	CCATATTTGGTGATCAGCTTGATTAACATTAAGTCTCATGAAAGGCCAAGGACAGCTGTAG	1260
Db	1201	CCATATTTGGTGATCAGCTTGATTAACATTAAGTCTCATGAAAGGCCAAGGACAGCTGTAG	1260
OY	1261	AAATPAACTTCAAAACATATGACAAAGCAAGTTTACTGAGGGCTTTGAGAAACATCATTA	1320
Db	1261	AAATPAACTTCAAAACATATGACAAAGCAAGTTTACTGAGGGCTTTGAGAAACATCATTA	1320
OY	1321	CCGATTCCTCTTATPAAAGAGATGCTATGAGATTTATCAAGATTCACCATGATCAACTG	1380
Db	1321	CCGATTCCTCTTATPAAAGAGATGCTATGAGATTTATCAAGATTCACCATGATCAACTG	1380
OY	1381	TAAAGCCCTTAGATCGAGCAAGTCTTCTGAGATCGAGTTTGTATCGGCACCAAGAGACCA	1440
Db	1381	TAAAGCCCTTAGATCGAGCAAGTCTTCTGAGATCGAGTTTGTATCGGCACCAAGAGACCA	1440
OY	1441	AGCAGCTGGCATGACGTGCCCATGAGCTCACTGGTTCAGACACTACTCTATATGATGGA	1500
Db	1441	AGCAGCTGGCATGACGTGCCCATGAGCTCACTGGTTCAGACACTACTCTATATGATGGA	1500
OY	1501	TTGGGTTCTGCTGACCTGTGTGGCACTGTATATCTTGTTCACAAAATGTTTTTAT	1560
Db	1501	TTGGGTTCTGCTGACCTGTGTGGCACTGTATATCTTGTTCACAAAATGTTTTTAT	1560
OY	1561	TTTCTCTGTCAAAAATTTAATPAAACTTGAAGATGAAAAGAGGGAATAGATCTTTCCAA	1620
Db	1561	TTTCTCTGTCAAAAATTTAATPAAACTTGAAGATGAAAAGAGGGAATAGATCTTTCCAA	1620
OY	1621	ATTCAAGAAAGACCTG 1636	
Db	1621	ATTCAAGAAAGACCTG 1636	

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1      RESULT 4
2      US-10-187-749-521
3      ; Sequence 521, Application US/10187749
4      ; Publication No. US20030153036A1
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Baker, Kevin P.
7      ; APPLICANT: Chen, Jian
8      ; APPLICANT: Desnoyers, Luc
9      ; APPLICANT: Goddard, Audrey
10     ; APPLICANT: Godowski, Paul J.
11     ; APPLICANT: Gurney, Austin L.
12     ; APPLICANT: Pan, James
13     ; APPLICANT: Smith, Victoria
14     ; APPLICANT: Macanabe, Colin K.
15     ; APPLICANT: Wood, William I.
16     ; APPLICANT: Zhang, Zhenlu
17     ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
18     ; FILE REFERENCE: P3430R1C1
19     ; CURRENT APPLICATION NUMBER: US/10/187,749
20     ; CURRENT FILING DATE: 2002-07-01
21     ; PRIOR APPLICATION NUMBER: US/10/052,586
22     ; PRIOR FILING DATE: 2002-01-15
23     ; PRIOR APPLICATION NUMBER: 60/059263
24     ; PRIOR FILING DATE: 1997-09-18
25     ; PRIOR APPLICATION NUMBER: 60/059266
26     ; PRIOR FILING DATE: 1997-09-18
27     ; PRIOR APPLICATION NUMBER: 60/062250
28     ; PRIOR FILING DATE: 1997-10-17
29     ; PRIOR APPLICATION NUMBER: 60/063120
30     ; PRIOR FILING DATE: 1997-10-24
31     ; PRIOR APPLICATION NUMBER: 60/063121

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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-187-749-521

Query Match      100.0%; Score 1636; DB 13; Length 2974;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGGAACCTGCTCATGAGTCTGACAAAGTCTTGTGTTCTGCG 60
DB 1 GATCAGTGTGTGAGGGAACCTGCTCATGAGTCTGACAAAGTCTTGTGTTCTGCG 60
QY 61 TCCGTGAGCTCTTCTGTGTTGCTGTGATTCGTGAGGAAAGTCTGTGCTGCTG 120
DB 61 TCCGTGAGCTCTTCTGTGTTGCTGTGATTCGTGAGGAAAGTCTGTGCTGCTG 120
QY 121 ACATGAGCCATTGGCTTAAATGTCAAGTCAATCTAGAGAGCTCATAGTGAAGCCATG 180
DB 121 ACATGAGCCATTGGCTTAAATGTCAAGTCAATCTAGAGAGCTCATAGTGAAGCCATG 180
QY 121 ACATGAGCCATTGGCTTAAATGTCAAGTCAATCTAGAGAGCTCATAGTGAAGCCATG 180
DB 121 ACATGAGCCATTGGCTTAAATGTCAAGTCAATCTAGAGAGCTCATAGTGAAGCCATG 180
QY 181 AGGTAACTGATTTGATCTCAAGCTTCTGTTAATGCTAGAGAGAGCTTCTGCAAT 240
DB 181 AGGTAACTGATTTGATCTCAAGCTTCTGTTAATGCTAGAGAGAGCTTCTGCAAT 240
QY 241 TGAATTTGAGGAGTGTGCTATGCTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
DB 241 TGAATTTGAGGAGTGTGCTATGCTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
QY 301 ACCTAGCTGATGATGCTTGTGCTGAGCTTATCAAGCTGCAATCAATTAATTAATG 360
DB 301 ACCTAGCTGATGATGCTTGTGCTGAGCTTATCAAGCTGCAATCAATTAATTAATG 360
QY 361 ATTTTGTGTTGAATTAAGAGAACTTTAAATGAATGATGTGAGAGCTTTATCTCAATC 420
DB 361 ATTTTGTGTTGAATTAAGAGAACTTTAAATGAATGATGTGAGAGCTTTATCTCAATC 420
QY 421 AGACGCTTATGAAGAGCTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 480
DB 421 AGACGCTTATGAAGAGCTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 480
QY 481 TTCCCTGTGAGAGAGCTGATGCTGAGTGTGCTGCACTCCCTTTGTGCTCAACTAGAA 540
DB 481 TTCCCTGTGAGAGAGCTGATGCTGAGTGTGCTGCACTCCCTTTGTGCTCAACTAGAA 540
QY 541 TTTCTGTGAGAGAGAGCTTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
DB 541 TTTCTGTGAGAGAGAGCTTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
QY 601 TACCTGTGCTATGAGAGAGCTTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
DB 601 TACCTGTGCTATGAGAGAGCTTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
QY 661 CAATGCTTCAAGTTTGTCTCACTTGTGATTCAGAGATTACAGATCAATTTTGGGAG 720
DB 661 CAATGCTTCAAGTTTGTCTCACTTGTGATTCAGAGATTACAGATCAATTTTGGGAG 720
QY 721 AGTTTATAGTAAGCATTAGAGAGCCCACTACATTAATGTGAGAGAGAGAGAGAGAGAG 780
DB 721 AGTTTATAGTAAGCATTAGAGAGCCCACTACATTAATGTGAGAGAGAGAGAGAGAGAG 780

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QY 781 AGATATGCTAATACAGATATGAGATTTTGAATTTCTCAACCATACCACTAACT 840
DB 781 AGATATGCTAATACAGATATGAGATTTTGAATTTCTCAACCATACCACTAACT 840
QY 841 TTGAGTTTGTGAGAGATTGCACTGTAACTGCGCAAGCTTTGCTTAAGAGAAATGAAA 900
DB 841 TTGAGTTTGTGAGAGATTGCACTGTAACTGCGCAAGCTTTGCTTAAGAGAAATGAAA 900
QY 901 ATTTTGTCCAGAGTTCAAGGAGAGAGAGATGATTTGTGTTTCTCTGAGGATCACTGTTT 960
DB 901 ATTTTGTCCAGAGTTCAAGGAGAGAGATGATTTGTGTTTCTCTGAGGATCACTGTTT 960
QY 961 AAAATGTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020
DB 961 AAAATGTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020
QY 1021 AGGTGTTATGAGAGTACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1080
DB 1021 AGGTGTTATGAGAGTACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1080
QY 1081 ATGATTTGATTAACCCAGAGATGATCTTCTGTGCTATCCCAAAACCAAGCTTTATCACTC 1140
DB 1081 ATGATTTGATTAACCCAGAGATGATCTTCTGTGCTATCCCAAAACCAAGCTTTATCACTC 1140
QY 1141 ATGATTTGATTAACCCAGAGATGATCTTCTGTGCTATCCCAAAACCAAGCTTTATCACTC 1200
DB 1141 ATGATTTGATTAACCCAGAGATGATCTTCTGTGCTATCCCAAAACCAAGCTTTATCACTC 1200
QY 1201 CCATATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1260
DB 1201 CCATATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1260
QY 1261 AAATTAACCTCAAAACCTATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
DB 1261 AAATTAACCTCAAAACCTATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
QY 1321 CGATTTCTCTTATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380
DB 1321 CGATTTCTCTTATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380
QY 1381 TAAAGCCCTTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1440
DB 1381 TAAAGCCCTTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1440
QY 1441 AGCAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
DB 1441 AGCAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
QY 1501 TTGGGTTCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1560
DB 1501 TTGGGTTCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1560
QY 1561 TTTCTGTCAAAATTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1620
DB 1561 TTTCTGTCAAAATTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1620
QY 1621 ATTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
DB 1621 ATTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680

RESULT 5
US-10-194-457-521
; Sequence 521, Application US/10194457
; Publication No. US20030153037A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James

```

APPLICANT: Smith,Victoria
APPLICANT: Madanabe,Colin K.
APPLICANT: Wood,William I.
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C296
CURRENT APPLICATION NUMBER: US/10/194,457
CURRENT FILING DATE: 2002-07-11
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063486
PRIOR FILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/063540
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063541
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-194-457-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0; Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCTCATGAGTCTGCAAGTCAAGTCTTGGTATTTCTGC 60
DB 1 GATCAGTGTGTGAGGAACTGCTCATGAGTCTGCAAGTCAAGTCTTGGTATTTCTGC 60
QY 61 TCCTGCAAGTCTTCTGTGTGTGCTGTGGAATTTCTGTGGAAGTCTGTGTGCTGTG 120
DB 61 TCCTGCAAGTCTTCTGTGTGTGCTGTGGAATTTCTGTGGAAGTCTGTGTGCTGTG 120
QY 121 ACATGAGCCATGCTTGAATGCTAAGTCAAGTCTTGAAGAGCTCATGTGAGAGCCATG 180
DB 121 ACATGAGCCATGCTTGAATGCTAAGTCAAGTCTTGAAGAGCTCATGTGAGAGCCATG 180
QY 181 AGGTAAAGTATTTGACTCACTCAAGCTTGTAAATTTGACTAAGAGAGCTTCTGCAT 240
DB 181 AGGTAAAGTATTTGACTCACTCAAGCTTGTAAATTTGACTAAGAGAGCTTCTGCAT 240
QY 241 TGAATTTGAGGTGTCTCATATGCTCAGAGACAGAGACAGAGAAATGAAATATTTGTTG 300
DB 241 TGAATTTGAGGTGTCTCATATGCTCAGAGACAGAGACAGAGAAATGAAATATTTGTTG 300
QY 301 ACCTAGCTTGAATGTCTTGGCAGAGCTTATCAACCTGCAATCTTATTAATTAATG 360
DB 301 ACCTAGCTTGAATGTCTTGGCAGAGCTTATCAACCTGCAATCTTATTAATTAATG 360
QY 361 ATTTTGTGTAATAAGAGAACTTAAATGATGTGTGAGAGCTTATCTACATC 420
DB 361 ATTTTGTGTAATAAGAGAACTTAAATGATGTGTGAGAGCTTATCTACATC 420
QY 421 AGAGCTTATGAGAGAGCTACAGAGAAACAACTACATGATGATCTTATAGACCCTGTGA 480
DB 421 AGAGCTTATGAGAGAGCTACAGAGAAACAACTACATGATGATCTTATAGACCCTGTGA 480

QY 481 TTCCTGTGAGAGCTGATGCTGAGTGTCTTGACATCCCTTTGTGCTCACACTTGA 540
DB 481 TTCCTGTGAGAGCTGATGCTGAGTGTCTTGACATCCCTTTGTGCTCACACTTGA 540
QY 541 TTTCTGTAGAGCAATATGAGAGCAAGTGTGAGAACTTCCAGCTTCCATTCTTATG 600
DB 541 TTTCTGTAGAGCAATATGAGAGCAAGTGTGAGAACTTCCAGCTTCCATTCTTATG 600
QY 601 TACCTGTGCTATGACAGACTTACAGACAGATGACTTTCTGGAAGAGTAAATTT 660
DB 601 TACCTGTGCTATGACAGACTTACAGACAGATGACTTTCTGGAAGAGTAAATTT 660
QY 661 CAATGCTTTCAGTTTGTCTCACTTCTGATTCAGATTAAGCATATTTTGGGAG 720
DB 661 CAATGCTTTCAGTTTGTCTCACTTCTGATTCAGATTAAGCATATTTTGGGAG 720
QY 721 AGTTTATGTAAGGCAATTAAGAGCCCACTACATTAATGTGAGACTGTGAGAAAGCTG 780
DB 721 AGTTTATGTAAGGCAATTAAGAGCCCACTACATTAATGTGAGACTGTGAGAAAGCTG 780
QY 781 AGATATGCTTAATAGAGCAATTTGGATTTTGAATTTCTCAACATCCAACTACT 840
DB 781 AGATATGCTTAATAGAGCAATTTGGATTTTGAATTTCTCAACATCCAACTACT 840
QY 841 TTGAGTTTGTGAGAGATTTGCACTGTAAACCTGCAAGAGCTTGGCTAAGAAATGAAA 900
DB 841 TTGAGTTTGTGAGAGATTTGCACTGTAAACCTGCAAGAGCTTGGCTAAGAAATGAAA 900
QY 901 ATTTTGTCCAGAGTTTCAAGGGAAGATGTAATGTGTGTTTCTGTGAGGTCACTGTTTC 960
DB 901 ATTTTGTCCAGAGTTTCAAGGGAAGATGTAATGTGTGTTTCTGTGAGGTCACTGTTTC 960
QY 961 AAAATGTTACAGAGAAAGGCTTAATATGATTTGCTTCAAGCTTGGCCAGATCCACAGA 1020
DB 961 AAAATGTTACAGAGAAAGGCTTAATATGATTTGCTTCAAGCTTGGCCAGATCCACAGA 1020
QY 1021 AGGTGTTAATGAGAGTCAAAAGAAAGAAACCATTCACATTAAGAGCCAAATCTGCTGT 1080
DB 1021 AGGTGTTAATGAGAGTCAAAAGAAAGAAACCATTCACATTAAGAGCCAAATCTGCTGT 1080
QY 1081 ATGATGATATCCCAAGATGATCTTGTGTGATCCCAAAACCAAGCTTTATCACTC 1140
DB 1081 ATGATGATATCCCAAGATGATCTTGTGTGATCCCAAAACCAAGCTTTATCACTC 1140
QY 1141 ATGTGGAATGATGAGATCTAAGAGCTAATTAACATGAGGAGCCATGAGTGGAGTTTC 1200
DB 1141 ATGTGGAATGATGAGATCTAAGAGCTAATTAACATGAGGAGCCATGAGTGGAGTTTC 1200
QY 1201 CCATATTTGTGATCAGCTTGTATATAGCTCATAAGAGCCAAAGAGAGCTGTAG 1260
DB 1201 CCATATTTGTGATCAGCTTGTATATAGCTCATAAGAGCCAAAGAGAGCTGTAG 1260
QY 1261 AAATTAACCTTCAAACTATGACAGAGAGATTTACTGAGGCTTTGAGAAAGTCACTTA 1320
DB 1261 AAATTAACCTTCAAACTATGACAGAGAGATTTACTGAGGCTTTGAGAAAGTCACTTA 1320
QY 1321 CCGATTCCTCTTAAAGAGAAATGCTATGAGATTAACAAGAAATTCACAGATCAACCTG 1380
DB 1321 CCGATTCCTCTTAAAGAGAAATGCTATGAGATTAACAAGAAATTCACAGATCAACCTG 1380
QY 1381 TAAAGCCCTAGATGAGAGAGTCTGTGATCGAGTTTGTCAATGCGCCACAAAGAGCCA 1440
DB 1381 TAAAGCCCTAGATGAGAGAGTCTGTGATCGAGTTTGTCAATGCGCCACAAAGAGCCA 1440
QY 1441 AGCACTGCGATAGCTGCTGATGCTCACTGCTTCCAGCACTACTATATGATGTGA 1500
DB 1441 AGCACTGCGATAGCTGCTGATGCTCACTGCTTCCAGCACTACTATATGATGTGA 1500
QY 1501 TTGGGTTCTGCTGACCTGTGTGAGCAATGCTATATTTCTTGTCAAAATGTTTTTAT 1560
DB 1501 TTGGGTTCTGCTGACCTGTGTGAGCAATGCTATATTTCTTGTCAAAATGTTTTTAT 1560
QY 1561 TTTCTGTGCAAAATTTAATTAATTAAGAAAGATGAGAGGAGATGATCTTTCCAA 1620

Db 1561 TTCCCTGTCAAAAATTTAATTAAGTAAAGATAGAAAAGAGGAAATGATCTTTCCAA 1620
QY 1621 ATTCAAGAAAAGACCTG 1636
Db 1621 ATTCAAGAAAAGACCTG 1636

RESULT 6
US-10-184-642-521

/ Sequence 521, Application US/10184642
/ Publication No. US20030157635A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Chen, Jian
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Pan, James
/ APPLICANT: Smith, Victoria
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3430R1C194
/ CURRENT APPLICATION NUMBER: US/10/184, 642
/ PRIOR FILING DATE: 2002-06-27
/ PRIOR Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 612
/ SEQ ID NO 521
/ LENGTH: 2974
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-10-184-642-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGTGACAGTGGTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGTGACAGTGGTGGTATTTCTGC 60
QY 61 TCCTGACGCTCTTCTGTGTGCTGTGTGATTTCTGTGAGAAAGTCTGTGTGCTGTG 120
Db 61 TCCTGACGCTCTTCTGTGTGCTGTGTGATTTCTGTGAGAAAGTCTGTGTGCTGTG 120
QY 121 ACATGAGCCATTGGCTTAATGTCAAGGTCTTTCTAAGAGCTCAATAGTAGAGGCCATG 180
Db 121 ACATGAGCCATTGGCTTAATGTCAAGGTCTTTCTAAGAGCTCAATAGTAGAGGCCATG 180
QY 181 AGCTAACAGATTTGACTCACTCAAGGCTTCGTTAATGTACTACAGAAAGCTTTGCAAT 240
Db 181 AGCTAACAGATTTGACTCACTCAAGGCTTCGTTAATGTACTACAGAAAGCTTTGCAAT 240
QY 241 TGAATTTGAGGTGTCTCATATGSCCAAGAGACAAAGAGAAATGAAATATTTGTTG 300
Db 241 TGAATTTGAGGTGTCTCATATGSCCAAGAGACAAAGAGAAATGAAATATTTGTTG 300
QY 301 ACCTACTCTGATATGCTTCCGACGCTTATCAACCTGGCAATCATGTTATTAATTAATG 360
Db 301 ACCTACTCTGATATGCTTCCGACGCTTATCAACCTGGCAATCATGTTATTAATTAATG 360
QY 361 ATTTTGTGTGAATTAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACATC 420
Db 361 ATTTTGTGTGAATTAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACATC 420
QY 421 AGAGCTTATGAAGAGCTACAGAGAAACCACTAGAGATGTAATGCTTAATGAGCCGTGGA 480
Db 421 AGAGCTTATGAAGAGCTACAGAGAAACCACTAGAGATGTAATGAGCCGTGGA 480

QY 481 TTCCCTGTGAGACCTGATGCTGAGTGTCTGTGACAGTCCCTTTGTGCTCACACTAGAA 540
Db 481 TTCCCTGTGAGACCTGATGCTGAGTGTCTGTGACAGTCCCTTTGTGCTCACACTAGAA 540
QY 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGAACTTCCAGCTTCACCTTCTATG 600
Db 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGAACTTCCAGCTTCACCTTCTATG 600
QY 601 TACCTGTGCTTATGACAGACTTACAGACAGATATGCTTTCTGTGAAAGATTAATTT 660
Db 601 TACCTGTGCTTATGACAGACTTACAGACAGATATGCTTTCTGTGAAAGATTAATTT 660
QY 661 CATGCTTCAGTTTGTTCACCTCTGTGATTCAGGATTCAGACTATCTATTTTGGGAAG 720
Db 661 CATGCTTCAGTTTGTTCACCTCTGTGATTCAGGATTCAGACTATCTATTTTGGGAAG 720
QY 721 AGTTTATATGTAAGGCAATTGAGAGGCCACATACATTAATGTGAGACTGTGGAAAGCTG 780
Db 721 AGTTTATATGTAAGGCAATTGAGAGGCCACATACATTAATGTGAGACTGTGGAAAGCTG 780
QY 781 AGATATGCTTAATGAGAAATATGGGATTTTGAATTTCTCAACATACCAACTTACT 840
Db 781 AGATATGCTTAATGAGAAATATGGGATTTTGAATTTCTCAACATACCAACTTACT 840
QY 841 TTGAGTTTGTGAGGATTCAGCTGTAACCTGCCAAGCTTGGCTTGAAGAAATGAA 900
Db 841 TTGAGTTTGTGAGGATTCAGCTGTAACCTGCCAAGCTTGGCTTGAAGAAATGAA 900
QY 901 ATTTGTCCAGAGTTCAAGGGAGATGTATGTGTGTGTTTCTGTGGGTCACTGTTC 960
Db 901 ATTTGTCCAGAGTTCAAGGGAGATGTATGTGTGTGTTTCTGTGGGTCACTGTTC 960
QY 961 AAAATGTTACAGAGAAAAGGCTAATATATGCTTCAAGCTTGGCCAGATCCACAGA 1020
Db 961 AAAATGTTACAGAGAAAAGGCTAATATATGCTTCAAGCTTGGCCAGATCCACAGA 1020
QY 1021 AGGTGTTATGAGGTACAAAGGAAAAAACAATCCACAATTAGAGCCATATCTGGCTGT 1080
Db 1021 AGGTGTTATGAGGTACAAAGGAAAAAACAATCCACAATTAGAGCCATATCTGGCTGT 1080
QY 1081 ATGATTTGATATCCCAAGATATCTTCTGTGATCTCCAAAACAAAGCTTTTATCATC 1140
Db 1081 ATGATTTGATATCCCAAGATATCTTCTGTGATCTCCAAAACAAAGCTTTTATCATC 1140
QY 1141 ATGTGGAATTAATGAGATCTATGAAGCTATTTACATGAGGCTTCTATGTGGAGTTC 1200
Db 1141 ATGTGGAATTAATGAGATCTATGAAGCTATTTACATGAGGCTTCTATGTGGAGTTC 1200
QY 1201 CCAATTTGGTATGATGATCTGTAATCATATGCTCACATGAAGGCCAAAGAGAGCTGTAG 1260
Db 1201 CCAATTTGGTATGATGATCTGTAATCATATGCTCACATGAAGGCCAAAGAGAGCTGTAG 1260
QY 1261 AAATTAACCTTCAAAAATATGACAGAGAAATTTACTGAGGCTTGTGAGAAAGTCAATTA 1320
Db 1261 AAATTAACCTTCAAAAATATGACAGAGAAATTTACTGAGGCTTGTGAGAAAGTCAATTA 1320
QY 1321 CCGATTTCTCTTAATAAGAAATGCTATGAGATTAAGAAATTCACATGATCAACTG 1380
Db 1321 CCGATTTCTCTTAATAAGAAATGCTATGAGATTAAGAAATTCACATGATCAACTG 1380
QY 1381 TAAAGCCCTTATATGAGAGATCTTGTGATGAGGTTGTCAATGAGGCCAAAGAGGCA 1440
Db 1381 TAAAGCCCTTATATGAGAGATCTTGTGATGAGGTTGTCAATGAGGCCAAAGAGGCA 1440
QY 1441 AGCACTGTGATCAGCTGCTCCATGACCTCACTGTGTTCCAGAGCTACTATATAGATGTA 1500
Db 1441 AGCACTGTGATCAGCTGCTCCATGACCTCACTGTGTTCCAGAGCTACTATATAGATGTA 1500
QY 1501 TTGGGTTCTGCTGACCTGTGTGGCACTGTATATCTTGTTCACAAAATGTTTTTAT 1560
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCACTGTATATCTTGTTCACAAAATGTTTTTAT 1560
QY 1561 TTTCCTGTCAAAAATTTAATAAATAGAAAGATGAAAGAGGGAATGATCTTTCCAA 1620

D _b	1561	TTTTCTGTCAAAAATTTTATATAAAGTAGAAAGATAGAAAAAGGGAATGATCTTTCCA	1620
Q _y	1621	ATTCAAGAAGACCTG	1636
D _b	1621	ATTCAGAAAAGCCTG	1636

RESULT 7
US-10-196-747-521

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? Sequence 521, Application US/10196747
? Publication No. US20030162250A1
? GENERAL INFORMATION:
? APPLICANT: Baker, Kevin P.
? APPLICANT: Chen, Jian
? APPLICANT: Desnoyers, Luc
? APPLICANT: Goddard, Audrey
? APPLICANT: Godowski, Paul J.
? APPLICANT: Gurney, Austin L.
? APPLICANT: Pan, James
? APPLICANT: Smith, Victoria
? APPLICANT: Watanabe, Colin K.
? APPLICANT: Wood, William I.
? APPLICANT: Zhang, Zhenli
? TITLE OF INVENTION: ACIDS ENCODING THE SAME
? FILE REFERENCE: P3430R1C346
? CURRENT APPLICATION NUMBER: US/10/196,747
? CURRENT FILING DATE: 2002-07-16
? Prior Application removed - See File Wrapper or Palm
? NUMBER OF SEQ ID NOS: 612
? SEQ ID NO 521
? LENGTH: 2974
? TYPE: DNA
? ORGANISM: Homo Sapien
? US-10-196-747-521

```

Query Match	Score	DB	Length
100.0%	1636	13	2974

QY	1	GATAGAGTGTGAGGGAAC	TGCAATCAATGAGGCTGACAAAGCAGCTTTGGATATTTCTGC	60
Db	1	GATCAGTGTGTGAGGGAAC	TGCCATCAATGAGGCTGTGCAAGCTCAGCTTTGGATATTTCTGC	60
QY	61	TCCTGCAGCTCTTCTGTGTGTGCTGTGGAATTTCTGTGGAAAGCTCTGTGTGTGCCTCTGTG	120	
Db	61	TCCTGCAGACTCTTCTGTGTGTGCTGTGGAATTTCTGTGGAAAGCTCTGTGTGTGCCTCTGTG	120	
QY	121	ACATGAGGCATTGGCTTATATGTCAGAGGTCATCTCTGAAAGAGGCTCATATGGAAGGCAAG	180	
Db	121	ACATGAGGCATTGGCTTATATGTCAGAGGTCATCTCTGAAAGAGGCTCATATGGAAGGCAAG	180	
QY	181	AGGTAAACGATATTTGACTCACTCAAAAGCCTTCTGTTAATTTGACTATACAGAAAGCCTTCTGCAT	240	
Db	181	AGGTAAACGATATTTGACTCACTCAAAAGCCTTCTGTTAATTTGACTATACAGAAAGCCTTCTGCAT	240	
QY	241	TGAAATTTGAGGTGTCCATATATGCCACACGAGACAGAACAGAAATAAGAAATATTTGTGTG	300	
Db	241	TGAAATTTGAGGTGTGTCCATATATGCCACACGAGACAGAACAGAAATAAGAAATATTTGTGTG	300	
QY	301	ACCTAAGCTCTGAATGTCTTTGCCAGGCTTATCAAACTGGCAATCAGTTATTAATAATTTAAATG	360	
Db	301	ACCTAAGCTCTGAATGTCTTTGCCAGGCTTATCAAACTGGCAATCAGTTATTAATAATTTAAATG	360	
QY	361	ATTTTGTGTGGAATTAAGAGAACTTTAAATAATGATGTGTGAGAGCTTTATCTCAATC	420	
Db	361	ATTTTGTGTGGAATTAAGAGAACTTTAAATAATGATGTGTGAGAGCTTTATCTCAATC	420	
QY	421	AGAGGCTTATGAAGAAGCTACACGAAACCACTAAGATGTATATGCTTATATAGACCCCTGTGA	480	
Db	421	AGAGGCTTATGAAGAAGCTACACGAAACCACTAAGATGTATATGCTTATATAGACCCCTGTGA	480	

QY	481	TTCCCTGTGAGACCTCATGSGCTGATGGCTTGACAGTCCCTTTGTCCTCACTTAGAA	540
Db	481	TTCCCTGTGAGACCTCATGSGCTGATGGCTTGACAGTCCCTTTGTCCTCACTTAGAA	540
QY	541	TTTCTGTAGAGGCAATATGAGAGCGAGCTGTGGAAAATTCCAGCTTCATTTCTATG	600
Db	541	TTTCTGTAGAGGCAATATGAGAGCGAGCTGTGGAAAATTCCAGCTTCATTTCTATG	600
QY	601	TACCTGTGCCATGACAGGACTAAACAAGATGACCTTCTTGGAAGAAGTAAATAAT	660
Db	601	TACCTGTGCCATGACAGGACTAAACAAGATGACCTTCTTGGAAGAAGTAAATAAT	660
QY	661	CAATGCTTTGAGTTTGTTCACCTTCTGANTCAGATTACGACTATCATTTTGGAG	720
Db	661	CAATGCTTTGAGTTTGTTCACCTTCTGANTCAGATTACGACTATCATTTTGGAG	720
QY	721	AGTTTATAGTAAGGCAATTGGAAGGCCCACTACATATATGAGACGTGTGGAAAACCTG	780
Db	721	AGTTTATAGTAAGGCAATTGGAAGGCCCACTACATATATGAGACGTGTGGAAAACCTG	780
QY	781	AGATATGGCTAATAAGAACATATTGGATTTGTAATTTCTCAACCATACCAACTACT	840
Db	781	AGATATGGCTAATAAGAACATATTGGATTTGTAATTTCTCAACCATACCAACTACT	840
QY	841	TTGAGTTTGTGAGAGATTGCACTGTAACTCGCMAAGCTTTGCCCTTAAGAAATGAAA	900
Db	841	TTGAGTTTGTGAGAGATTGCACTGTAACTCGCMAAGCTTTGCCCTTAAGAAATGAAA	900
QY	901	ATTTTGTCCAGAGTTCAGGGGAGATGATGTATGTGGTGTTCCTGTGGGCTCACTGTTC	960
Db	901	ATTTTGTCCAGAGTTCAGGGGAGATGATGTATGTGGTGTTCCTGTGGGCTCACTGTTC	960
QY	961	AAAAATGTTACAGAGAAAAGGCTAATATCATTTGCTCAGCCCTTGGCCAGATCCACAGA	1020
Db	961	AAAAATGTTACAGAGAAAAGGCTAATATCATTTGCTCAGCCCTTGGCCAGATCCACAGA	1020
QY	1021	AGATGTTATGAGAGGTACAAAGGAAAAAACAATCAATTATAGAGGCAATATCTGGCGT	1080
Db	1021	AGATGTTATGAGAGGTACAAAGGAAAAAACAATCAATTATAGAGGCAATATCTGGCGT	1080
QY	1081	ATGATTTGGATATCCACAGATGATCTTCTTGGTATCCCAAAACCAAAAGCTTTATCACTC	1140
Db	1081	ATGATTTGGATATCCACAGATGATCTTCTTGGTATCCCAAAACCAAAAGCTTTATCACTC	1140
QY	1141	ATGCTGGAATGAATGGGATCTATGAACCTATTAACAATGGGCTCCATATGGTGGAAATTC	1200
Db	1141	ATGCTGGAATGAATGGGATCTATGAACCTATTAACAATGGGCTCCATATGGTGGAAATTC	1200
QY	1201	CCATATTTGGGATCAGCTTGATTAACAATAGCTCACATGAAGGCCAAAGAGCAGCTGTAG	1260
Db	1201	CCATATTTGGGATCAGCTTGATTAACAATAGCTCACATGAAGGCCAAAGAGCAGCTGTAG	1260
QY	1261	AAATPAACTTCAAAACTATGACAAAGCAGATTTACTGAGGGCTTTGAGAACAGTCAATTA	1320
Db	1261	AAATPAACTTCAAAACTATGACAAAGCAGATTTACTGAGGGCTTTGAGAACAGTCAATTA	1320
QY	1321	CCGATTTCCCTCTTAATAAGAGAAATGCTATGAGATTATCAAGAAATCACCATGATCAACCTG	1380
Db	1321	CCGATTTCCCTCTTAATAAGAGAAATGCTATGAGATTATCAAGAAATCACCATGATCAACCTG	1380
QY	1381	TAAAGCCCTAGATCGAGCAGTCTTCTGGAATCGAGTTGTTCATGCGCCACAAGAGACCA	1440
Db	1381	TAAAGCCCTAGATCGAGCAGTCTTCTGGAATCGAGTTGTTCATGCGCCACAAGAGACCA	1440
QY	1441	AGCACTGTGCGATCAGCTTGCCCATGACTCACCTGTGTCACAGCACTACCTTAATAGATGGA	1500
Db	1441	AGCACTGTGCGATCAGCTTGCCCATGACTCACCTGTGTCACAGCACTACCTTAATAGATGGA	1500
QY	1501	TTGGGATTCCTGACACCGATGCTGCACTGCTATATCTTGTTCACAAAAATGTTTTTAT	1560
Db	1501	TTGGGATTCCTGACACCGATGCTGCACTGCTATATCTTGTTCACAAAAATGTTTTTAT	1560
QY	1561	TTTCTCTGTCAAAAATTTAATAAATCTGAAAAGATAGAAAAGAGGAAATGATCTTTCCAA	1620

Db 1561 TTCCGTGCAAAATTTAATAAAGTAGAAGAGAGGAAATGATCTTCCAA 1620
QY 1621 ATTCAGAAAAGACTG 1636
Db 1621 ATTCAGAAAAGACTG 1636

RESULT 8

US-10-173-689-521
; Sequence 521, Application US/10173689
; Publication No. US2003016104A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C10
; CURRENT APPLICATION NUMBER: US/10/173,689
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-689-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGTGACAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGTGACAGCTTTGGTATTTCTGC 60
QY 61 TCTGTGAGCTCTTCTGTGTGGTGTGTGATTTCTGTGGAAAGTCTGTGTGCTGTG 120
Db 61 TCTGTGAGCTCTTCTGTGTGGTGTGTGATTTCTGTGGAAAGTCTGTGTGCTGTG 120
QY 121 ACATGAGCCATTGGCTTAATGTCAAGGTCATTTCTAGAAAGCTCATGTGAGAGCCATG 180
Db 121 ACATGAGCCATTGGCTTAATGTCAAGGTCATTTCTAGAAAGCTCATGTGAGAGCCATG 180
QY 181 AGGTAAACAGATTGACTCAAGGCTTCGTTAATGACTACAGAAAGCTTCTGCAT 240
Db 181 AGGTAAACAGATTGACTCAAGGCTTCGTTAATGACTACAGAAAGCTTCTGCAT 240
QY 241 TGAATTTGAGGTGTCCATATGCAAGAGACAGAAAGAAATGAAATTTGTTG 300
Db 241 TGAATTTGAGGTGTCCATATGCAAGAGACAGAAAGAAATGAAATTTGTTG 300
QY 301 ACCTACTCTGATATGTTCTTCCAGGCTTATCAACCTGGCAATGATTAATAATTAAG 360
Db 301 ACCTACTCTGATATGTTCTTCCAGGCTTATCAACCTGGCAATGATTAATAATTAAG 360
QY 361 ATTTTGTGTTGAATTAAGAACTTTAAATGATGTGTGAGCTTTATCTACATC 420
Db 361 ATTTTGTGTTGAATTAAGAACTTTAAATGATGTGTGAGCTTTATCTACATC 420
QY 421 AGAGCTTATGAAGAACTACAGAAACCAATACATGATGATGTTATGAGCCCTGTGA 480
Db 421 AGAGCTTATGAAGAACTACAGAAACCAATACATGATGATGTTATGAGCCCTGTGA 480

QY 481 TTCCGTGAGAGACTGATGCTGAGTGTCTTGACAGTCCCTTTGTGCTCACACTAGAA 540
Db 481 TTCCGTGAGAGACTGATGCTGAGTGTCTTGACAGTCCCTTTGTGCTCACACTAGAA 540
QY 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGAACTTCCAGCTTCCATG 600
Db 541 TTTCTGTAGAGGCAATATGAGAGCGAAGCTGTGGAACTTCCAGCTTCCATG 600
QY 601 TACCTGTGCTTATGACAGACTTAACAGACAAATGACTTTCTGAAAGATTAATAAT 660
Db 601 TACCTGTGCTTATGACAGACTTAACAGACAAATGACTTTCTGAAAGATTAATAAT 660
QY 661 CAATGCTTCAAGTTTGTCCACTTCTGATTCAGGATTAACGATCAATTTTGGGAAG 720
Db 661 CAATGCTTCAAGTTTGTTCACCTTCTGATTCAGGATTAACGATCAATTTTGGGAAG 720
QY 721 AGTTTATATGTAAGGATTAAGAAAGCCCACTAATATGTGAGACTGTGGAAAGCTG 780
Db 721 AGTTTATATGTAAGGATTAAGAAAGCCCACTAATATGTGAGACTGTGGAAAGCTG 780
QY 781 AGATATGCTAATATGACAAATATTTGGGATTTTGAATTTCTCAACCATACCACTAAT 840
Db 781 AGATATGCTAATATGACAAATATTTGGGATTTTGAATTTCTCAACCATACCACTAAT 840
QY 841 TTGAGTTTGTGAGAGATTGCACTGTAACTGTCCAAAGCTTGTGCTTAAGAAATGAAA 900
Db 841 TTGAGTTTGTGAGAGATTGCACTGTAACTGTCCAAAGCTTGTGCTTAAGAAATGAAA 900
QY 901 ATTTTGTCCAGAGTTCCAGGGAAGATGTATGTGTGTTTCTCTGTGGGTCACTGTTC 960
Db 901 ATTTTGTCCAGAGTTCCAGGGAAGATGTATGTGTGTTTCTCTGTGGGTCACTGTTC 960
QY 961 AAAATGTTCAGAAAGAAAGGCTAATATCATTTGCTTCAAGCTTGTGCTTAAGAAATGAAA 1020
Db 961 AAAATGTTCAGAAAGAAAGGCTAATATCATTTGCTTCAAGCTTGTGCTTAAGAAATGAAA 1020
QY 1021 AGGTGTATGAGAGTACAAAGGAAACCAATCCACATTAAGAGCAATATCTGAGCTGT 1080
Db 1021 AGGTGTATGAGAGTACAAAGGAAACCAATCCACATTAAGAGCAATATCTGAGCTGT 1080
QY 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTATCACTC 1140
Db 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTATCACTC 1140
QY 1141 ATGTGTGAATGATAGGATCTATGAAGCTATTTACATGGGCTCTTATGTGTGAGTTTC 1200
Db 1141 ATGTGTGAATGATAGGATCTATGAAGCTATTTACATGGGCTCTTATGTGTGAGTTTC 1200
QY 1201 CCAATTTGTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1260
Db 1201 CCAATTTGTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1260
QY 1261 AAATTAACCTTCAAACTATGACAAAGGAAATTTACTGAGGCTTGTGAGAAAGTCAATTA 1320
Db 1261 AAATTAACCTTCAAACTATGACAAAGGAAATTTACTGAGGCTTGTGAGAAAGTCAATTA 1320
QY 1321 CCGATTTCTCTTATTAAGAAATGCTATGAGATTAATCAAGAAATTCACATGATCAACTG 1380
Db 1321 CCGATTTCTCTTATTAAGAAATGCTATGAGATTAATCAAGAAATTCACATGATCAACTG 1380
QY 1381 TAAAGCCCTTAATGAGAGAGCTTCTGTGATGAGATTTGTCATGAGGCTCAAAAGAGCCA 1440
Db 1381 TAAAGCCCTTAATGAGAGAGCTTCTGTGATGAGATTTGTCATGAGGCTCAAAAGAGCCA 1440
QY 1441 AGACACTGTGATCAGCTGCTGCACTGACCTGATTCAGAGACTATCTATATAGATGTA 1500
Db 1441 AGACACTGTGATCAGCTGCTGCACTGACCTGATTCAGAGACTATCTATATAGATGTA 1500
QY 1501 TTGGGTCTCTGTGACCTGTGTGCAACTGTATATTTCTGTTCACAAATGTTTTTAT 1560
Db 1501 TTGGGTCTCTGTGACCTGTGTGCAACTGTATATTTCTGTTCACAAATGTTTTTAT 1560
QY 1561 TTTCGTGTCAAAATTTAATAAAGTAGAAGATGAAAGAGGAAATGATCTTCCAA 1620

Db 1561 TTTCCTGTCAAAATTAATAAACTAGAAAGATAGAAAGAGGAATAGATCTTCCAA 1620
Qy 1621 ATTCAGAAAGACCTG 1636
Db 1621 ATTCAGAAAGACCTG 1636

RESULT 9

US-10-173-690-521
Sequence 521, Application US/10173690
Publication No. US20030166105A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Metanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P43081C9
CURRENT APPLICATION NUMBER: US/10/173,690
CURRENT FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-690-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATCAGTGTGTGAGGAACTGCATCATGAGTGTGACAAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTGTGACAAAGCTTTGGTATTTCTGC 60
Qy 61 TCCGTGAGCTCTTCTGTGTGGCTGTGATTTCTGTGGAAAGTCTGTGGTCTGTG 120
Db 61 TCCGTGAGCTCTTCTGTGTGGCTGTGATTTCTGTGGAAAGTCTGTGGTCTGTG 120
Qy 121 ACATGAGCAATGGCTTAATGTCAAGTCAATCTAGAAAGCTCATAGTGTGAGAGCCATG 180
Db 121 ACATGAGCAATGGCTTAATGTCAAGTCAATCTAGAAAGCTCATAGTGTGAGAGCCATG 180
Qy 181 AGGTAAAGATATGACTCACTCAAGCTTCGTTAATGACTACAGAAAGCTTCTGCAT 240
Db 181 AGGTAAAGATATGACTCACTCAAGCTTCGTTAATGACTACAGAAAGCTTCTGCAT 240
Qy 241 TGAATTTGAGTGTGTCTCATATGCGACAGAGACAGAAAGAAATGAATATTTGTG 300
Db 241 TGAATTTGAGTGTGTCTCATATGCGACAGAGACAGAAAGAAATGAATATTTGTG 300
Qy 301 ACCTAGCTGAATGTCTTGCAGAGCTTATCAACCTGCAATCAGTTATTAATTAATG 360
Db 301 ACCTAGCTGAATGTCTTGCAGAGCTTATCAACCTGCAATCAGTTATTAATTAATG 360
Qy 361 ATTTTGTGTGAATAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACATC 420
Db 361 ATTTTGTGTGAATAAGAGAACTTTAAATGATGTGTGAGAGCTTTATCTACATC 420
Qy 421 AGAGGCTTAAGAGAGCTACAGAAACCACTACATGTATGTCTTATAGACCTGTGA 480
Db 421 AGAGGCTTAAGAGAGCTACAGAAACCACTACATGTATGTCTTATAGACCTGTGA 480
Qy 480 AGAGGCTTAAGAGAGCTACAGAAACCACTACATGTATGTCTTATAGACCTGTGA 480

Qy 481 TTCCCTGTGAGAGCTGATGCTGAGTGTGCTGACGTCCCTTTGTGCTCACATTAGAA 540
Db 481 TTCCCTGTGAGAGCTGATGCTGAGTGTGCTGACGTCCCTTTGTGCTCACATTAGAA 540
Qy 541 TTTCTGTAGAGGCAATATGAGAGCAAGCTGTGGGAAACTTCCAGCTCCACTTTCTATG 600
Db 541 TTTCTGTAGAGGCAATATGAGAGCAAGCTGTGGGAAACTTCCAGCTCCACTTTCTATG 600
Qy 601 TACCTGTGCTTAAGAGAGCTAAGACAGACAGATGACCTTTGTGAAAGATTAATAATT 660
Db 601 TACCTGTGCTTAAGAGAGCTAAGACAGACAGATGACCTTTGTGAAAGATTAATAATT 660
Qy 661 CAATGCTTCAGTTTGTTCCTCACTTGTGATTCAGAGATTAACAATTATTTTGGAG 720
Db 661 CAATGCTTCAGTTTGTTCCTCACTTGTGATTCAGAGATTAACAATTATTTTGGAG 720
Qy 721 AGTTTATATGTAAGGCAATATGAGAGGCACTACATTAATGTGAGACTGTGGGAAAGCTG 780
Db 721 AGTTTATATGTAAGGCAATATGAGAGGCACTACATTAATGTGAGACTGTGGGAAAGCTG 780
Qy 781 AGATATGCTAATATGAGAGCAATATGAGATTTTGAATTTCTCAACCACTACCTACT 840
Db 781 AGATATGCTAATATGAGAGCAATATGAGATTTTGAATTTCTCAACCACTACCTACT 840
Qy 841 TTGAGTTTGTGAGAGATTCACCTGTAACCTGCAAGAGCTTGTCTTAAGAAATGAGAA 900
Db 841 TTGAGTTTGTGAGAGATTCACCTGTAACCTGCAAGAGCTTGTCTTAAGAAATGAGAA 900
Qy 901 ATTTTGTCCAGATTCAGAGGAGAGATGTATGTGTGTGTGTCTGTGGGTCTGTGTTT 960
Db 901 ATTTTGTCCAGATTCAGAGGAGAGATGTATGTGTGTGTGTCTGTGGGTCTGTGTTT 960
Qy 961 AAAATGTTACAGAAAGGCTAATATATCATGCTTCAGAGCTTGTGCGAGATCCACAGA 1020
Db 961 AAAATGTTACAGAAAGGCTAATATATCATGCTTCAGAGCTTGTGCGAGATCCACAGA 1020
Qy 1021 AGGTGTATGAGAGTACAAAGGAAAGAAACCATCACTTATGAGAGCAATATCTGCTGT 1080
Db 1021 AGGTGTATGAGAGTACAAAGGAAAGAAACCATCACTTATGAGAGCAATATCTGCTGT 1080
Qy 1081 ATGATTTGATATCCCGAATGATCTTGTGATCCCAAAAGCTTTATCACTC 1140
Db 1081 ATGATTTGATATCCCGAATGATCTTGTGATCCCAAAAGCTTTATCACTC 1140
Qy 1141 ATGAGGAAATGAAATGAGATCTATGAGCTATTAACATGAGGAGTCCATATGAGAGTTC 1200
Db 1141 ATGAGGAAATGAAATGAGATCTATGAGCTATTAACATGAGGAGTCCATATGAGAGTTC 1200
Qy 1201 CCATATTTGTGATCAGCTTGTATATAGCTCACTCAATGAGGCAAGAGAGAGCTGTAG 1260
Db 1201 CCATATTTGTGATCAGCTTGTATATAGCTCACTCAATGAGGCAAGAGAGAGCTGTAG 1260
Qy 1261 AAATTAACCTCAAACTATGACAGGAGAGATTTACTGAGGGCTTTGAGAAAGCTATTA 1320
Db 1261 AAATTAACCTCAAACTATGACAGGAGAGATTTACTGAGGGCTTTGAGAAAGCTATTA 1320
Qy 1321 CGGATCTCTTATTAAGAGAAATGATGATGATTAAGAAATTCACATGATCAACTG 1380
Db 1321 CGGATCTCTTATTAAGAGAAATGATGATGATTAAGAAATTCACATGATCAACTG 1380
Qy 1381 TAAAGCCCTAGATCAGAGAGCTTCTGTGATCAGATTTGTGATGCGCAAAAGAGCCA 1440
Db 1381 TAAAGCCCTAGATCAGAGAGCTTCTGTGATCAGATTTGTGATGCGCAAAAGAGCCA 1440
Qy 1441 AGCACTGTGATGAGCTGCGCATGACCTCACTGTTCAGACCTACTATATGATGTA 1500
Db 1441 AGCACTGTGATGAGCTGCGCATGACCTCACTGTTCAGACCTACTATATGATGTA 1500
Qy 1501 TTGGGTTCCGTGAGAGCTGTGTGAGCAAGCTATATTTCTGTTCACAAAATGTTTTAT 1560
Db 1501 TTGGGTTCCGTGAGAGCTGTGTGAGCAAGCTATATTTCTGTTCACAAAATGTTTTAT 1560
Qy 1561 TTTCCTGTCAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTCCAA 1620

Db 1561 TTTCCTGCTCAAAATTAATAAACTAGAAAGATAGAAAAGGGAATGATCTTTCCAA 1620
QY 1621 ATTCAGAAAGACCTG 1636
Db 1621 ATTCAGAAAGACCTG 1636

RESULT 10

US-10-173-691-521
Sequence 521, Application US/10173691
Publication No. US2003016106A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: B3430R1C13
CURRENT APPLICATION NUMBER: US/10/173,691
CURRENT FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-691-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGCAAGTCAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGTCTGCAAGTCAAGCTTTGGTATTTCTGC 60
QY 61 TCCGTGAGCTCTTCTGTGTGGCTGTGTGATTTCTGTGGAAAGTCTGTGTGACCTGTG 120
Db 61 TCCGTGAGCTCTTCTGTGTGGCTGTGTGATTTCTGTGGAAAGTCTGTGTGACCTGTG 120
QY 121 ACATGAGCCATTGGCTTAATGTCAAGTCAATCTTAAGAGCTCAATGTAAGAGGCGCATG 180
Db 121 ACATGAGCCATTGGCTTAATGTCAAGTCAATCTTAAGAGCTCAATGTAAGAGGCGCATG 180
QY 181 AGGTAAAGATTGACTCACTCAAGGCTTCGTTAATGACTACAGAAAGCTTTGCAAT 240
Db 181 AGGTAAAGATTGACTCACTCAAGGCTTCGTTAATGACTACAGAAAGCTTTGCAAT 240
QY 241 TGAATTTGAGTGTGTCATATATGCCACAGACAGAAAGAAATGAAATATTTGTTG 300
Db 241 TGAATTTGAGTGTGTCATATATGCCACAGACAGAAAGAAATGAAATATTTGTTG 300
QY 301 ACTTACTCTGATATGCTTCCAGGCTTATCAACTGCGCAATCATGTTAATAATTAATG 360
Db 301 ACTTACTCTGATATGCTTCCAGGCTTATCAACTGCGCAATCATGTTAATAATTAATG 360
QY 361 ATTTTGTGTTGAATAAGAGAACTTTAATAATGATGTGTGAGAGCTTTATCTAAGATC 420
Db 361 ATTTTGTGTTGAATAAGAGAACTTTAATAATGATGTGTGAGAGCTTTATCTAAGATC 420
QY 421 AGAGCTTATGAAGAACTACAGAAACCAACTACATGATGATGTTATGAGACCTGTGA 480
Db 421 AGAGCTTATGAAGAACTACAGAAACCAACTACATGATGATGTTATGAGACCTGTGA 480

QY 481 TTCCCTGTGAGAGACTGATGCTGAGTGTGCTGAGTCCCTTTTGTGCTCACTTAGAA 540
Db 481 TTCCCTGTGAGAGACTGATGCTGAGTGTGCTGAGTCCCTTTTGTGCTCACTTAGAA 540
QY 541 TTTCTGTGAGAGCAATATGAGCGAAGCTGTGGAACTTCCAGCTTCCATG 600
Db 541 TTTCTGTGAGAGCAATATGAGCGAAGCTGTGGAACTTCCAGCTTCCATG 600
QY 601 TACCTGTGCTATGACAGACTTAACAGACAGATGACTTTCTGGAAGAGTAAATTT 660
Db 601 TACCTGTGCTATGACAGACTTAACAGACAGATGACTTTCTGGAAGAGTAAATTT 660
QY 661 CAATGCTTCAAGTTTGTCCACTTCTGATTCAGGATTCAGACTTCAATTTTGGGAA 720
Db 661 CAATGCTTCAAGTTTGTCCACTTCTGATTCAGGATTCAGACTTCAATTTTGGGAA 720
QY 721 AGTTTATGTAAGGCAATGAGAGCCCACTACATATGTGAGACTGTGGAAAGCTG 780
Db 721 AGTTTATGTAAGGCAATGAGAGCCCACTACATATGTGAGACTGTGGAAAGCTG 780
QY 781 AGATATGCTAATACAGAACTATGGGATTTGAAATTTCTCAACATACCAACTAAT 840
Db 781 AGATATGCTAATACAGAACTATGGGATTTGAAATTTCTCAACATACCAACTAAT 840
QY 841 TTGAGTTGTGAGAGATTGCACTGTAACCTGCCAAAGCTTGCTTAGAGAAATGAAA 900
Db 841 TTGAGTTGTGAGAGATTGCACTGTAACCTGCCAAAGCTTGCTTAGAGAAATGAAA 900
QY 901 ATTTTGTCCAGATTCAGGGAAGATGTAATGTGTGTTTCTCTGTGGGCTCATGTTTC 960
Db 901 ATTTTGTCCAGATTCAGGGAAGATGTAATGTGTGTTTCTCTGTGGGCTCATGTTTC 960
QY 961 AAAATTTACAGAGAAAAGCTTAATATCATTTGCTTCAAGCTTGTGCCAGATCCACAG 1020
Db 961 AAAATTTACAGAGAAAAGCTTAATATCATTTGCTTCAAGCTTGTGCCAGATCCACAG 1020
QY 1021 AGGTGTTATGAGAGTACAAAGGAAAAAACATCCACATTAAGAGCAATATCTGGCTGT 1080
Db 1021 AGGTGTTATGAGAGTACAAAGGAAAAAACATCCACATTAAGAGCAATATCTGGCTGT 1080
QY 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGTCATCCCAAAACCAAGCTTTATCATC 1140
Db 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGTCATCCCAAAACCAAGCTTTATCATC 1140
QY 1141 ATGTGTGAATGATGAGATCTATGAAGCTATTTACATGAGGCTTCTATGTGTGAGTTT 1200
Db 1141 ATGTGTGAATGATGAGATCTATGAAGCTATTTACATGAGGCTTCTATGTGTGAGTTT 1200
QY 1201 CCAATTTGGTATGATGAGTGTATGATGATGATGATGATGATGATGATGATGATG 1260
Db 1201 CCAATTTGGTATGATGAGTGTATGATGATGATGATGATGATGATGATGATGATG 1260
QY 1261 AAATAAATCTCAAACTATGACAGAGAAATTTACTGAGGCTTTGAGAAAGTCAATTA 1320
Db 1261 AAATAAATCTCAAACTATGACAGAGAAATTTACTGAGGCTTTGAGAAAGTCAATTA 1320
QY 1321 CCGATTTCTCTTATGAAGAAATGCTATGATGATGATGATGATGATGATGATGATG 1380
Db 1321 CCGATTTCTCTTATGAAGAAATGCTATGATGATGATGATGATGATGATGATGATG 1380
QY 1381 CCGATTTCTCTTATGAAGAAATGCTATGATGATGATGATGATGATGATGATGATG 1380
Db 1381 CCGATTTCTCTTATGAAGAAATGCTATGATGATGATGATGATGATGATGATGATG 1380
QY 1381 TAAAGCCCTATGATGAGAGCTTCTGATGAGGTTGTCAATGAGGCAAAAGAGGCA 1440
Db 1381 TAAAGCCCTATGATGAGAGCTTCTGATGAGGTTGTCAATGAGGCAAAAGAGGCA 1440
QY 1441 AGCACTGCGATCAGTGCCTACAGACCTGATTCAGAGCTTCACTATAGATGTA 1500
Db 1441 AGCACTGCGATCAGTGCCTACAGACCTGATTCAGAGCTTCACTATAGATGTA 1500
QY 1501 TTGGGTTCTGCTGACCTGTGTGAGCACTGTATATCTTGTTCACAAATGTTTTTAT 1560
Db 1501 TTGGGTTCTGCTGACCTGTGTGAGCACTGTATATCTTGTTCACAAATGTTTTTAT 1560
QY 1561 TTTCCTGTCAAAATTTAATAAACTAGAAAGATGAAAGAGGGAATGATCTTTCCAA 1620

Db 1561 TTTCCTGCTGAAAAATTTATATATAAAGTAGAAGATAGAAAAGGAAATAGATCTTTCCAA 1620
Qy 1621 ATTCAAGAAAGACCTG 1636
Db 1621 ATTCAAGAAAGACCTG 1636

RESULT 11
US-10-173-692-521
Sequence 521, Application US/10173692
Publication No. US20030166188A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P43081C20
CURRENT APPLICATION NUMBER: US/10/173,692
PRIORITY FILING DATE: 2002-06-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-173-692-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1636; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATCAGTGTGTGAGGAACTGCAATCATGAGTCTGACAAAGTCAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCAATCATGAGTCTGACAAAGTCAAGCTTTGGTATTTCTGC 60
Qy 61 TCCGCAAGCTCTTGTGTGTGCTGTGATTTCTGTGGAAAGTCTGTGTGTGCTGTG 120
Db 61 TCCGCAAGCTCTTGTGTGTGCTGTGATTTCTGTGGAAAGTCTGTGTGTGCTGTG 120
Qy 121 ACATGAGCCATTGCTTAATGTCAAGGTCAATTTAGAAAGAGCTCATAGTGAAGGCCATG 180
Db 121 ACATGAGCCATTGCTTAATGTCAAGGTCAATTTAGAAAGAGCTCATAGTGAAGGCCATG 180
Qy 181 AGGTAAAGATTTAGTCACTCAAGGCTTCTGTTAATGATGACAGAAAGCTTTCTGCAT 240
Db 181 AGGTAAAGATTTAGTCACTCAAGGCTTCTGTTAATGATGACAGAAAGCTTTCTGCAT 240
Qy 241 TGAATTTGAGGTGTCTCATATGCGACAGACAGAAAGAAATGAATATTTGTG 300
Db 241 TGAATTTGAGGTGTCTCATATGCGACAGACAGAAAGAAATGAATATTTGTG 300
Qy 301 ACCGAGCTGGAATGCTTGGCAGAGCTTATCAACTGCGCAATCGATTATTAATATG 360
Db 301 ACCGAGCTGGAATGCTTGGCAGAGCTTATCAACTGCGCAATCGATTATTAATATG 360
Qy 361 ATTTTGTGTAATTAAGGAACCTTTAAATGATGTGTGAGAGCTTTATCTCAATC 420
Db 361 ATTTTGTGTAATTAAGGAACCTTTAAATGATGTGTGAGAGCTTTATCTCAATC 420
Qy 421 AGAGGCTTATGAAGAGCTACAGAAACCAATCGATGTATGCTTATAGACCTGTGA 480
Db 421 AGAGGCTTATGAAGAGCTACAGAAACCAATCGATGTATGCTTATAGACCTGTGA 480
Qy 480 AGAGGCTTATGAAGAGCTACAGAAACCAATCGATGTATGCTTATAGACCTGTGA 480

Qy 481 TTCCCTGTGAGAGCTGATGCTGAGTGTCTGCACTCCCTTTGTGTCTCACCTAGAA 540
Db 481 TTCCCTGTGAGAGCTGATGCTGAGTGTCTGCACTCCCTTTGTGTCTCACCTAGAA 540
Qy 541 TTTCGTAGAGGCAATATGAGCCGAAGCTGTGGGAAACTTCCAGCTCCACTTCTTATG 600
Db 541 TTTCGTAGAGGCAATATGAGCCGAAGCTGTGGGAAACTTCCAGCTCCACTTCTTATG 600
Qy 601 TACCTGTGCTATGACAGACTTAACAGACAGATGACCTTTCTGAAAGAGTAAAAAT 660
Db 601 TACCTGTGCTATGACAGACTTAACAGACAGATGACCTTTCTGAAAGAGTAAAAAT 660
Qy 661 CAATGCTTCAAGTTTGTTCACCTTCTGATTCAGGATTAACGATTAATTTTGGAG 720
Db 661 CAATGCTTCAAGTTTGTTCACCTTCTGATTCAGGATTAACGATTAATTTTGGAG 720
Qy 721 AGTTTATGATGAGCTTATGAGAGCCCACTAATTAATGAGTGTGGGAAAGCTG 780
Db 721 AGTTTATGATGAGCTTATGAGAGCCCACTAATTAATGAGTGTGGGAAAGCTG 780
Qy 781 AGATATGCTAATACGAACTATTTGGATTTTGAATTTCTCAACCACTAACCTACT 840
Db 781 AGATATGCTAATACGAACTATTTGGATTTTGAATTTCTCAACCACTAACCTACT 840
Qy 841 TTGAGTTTGTGAGGATTTGCACTGTAACCTGCAAGCTTTGCTTAAAGAAATGAAA 900
Db 841 TTGAGTTTGTGAGGATTTGCACTGTAACCTGCAAGCTTTGCTTAAAGAAATGAAA 900
Qy 901 ATTTTGTCCAGATTCAGGGGAAAGATGATTTGTGTGTTTCTGTGGGTCACTGTT 960
Db 901 ATTTTGTCCAGATTCAGGGGAAAGATGATTTGTGTGTTTCTGTGGGTCACTGTT 960
Qy 961 AAATGTTACAGAAAGAAAGGCTAATATATCAATTTCTCAGGCTTGGCCAGATCCACA 1020
Db 961 AAATGTTACAGAAAGAAAGGCTAATATATCAATTTCTCAGGCTTGGCCAGATCCACA 1020
Qy 1021 AGGTGTTATGAGAGTACAAAGGAAAGAAACCATCCATTAAGAGCCATATCTGGCT 1080
Db 1021 AGGTGTTATGAGAGTACAAAGGAAAGAAACCATCCATTAAGAGCCATATCTGGCT 1080
Qy 1081 ATGATGATATCCCGAAGATGATCTTGTGTATCCCAAAAGCTTTATCACTC 1140
Db 1081 ATGATGATATCCCGAAGATGATCTTGTGTATCCCAAAAGCTTTATCACTC 1140
Qy 1141 ATGATGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
Db 1141 ATGATGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
Qy 1201 CCATATTTGTGATCAAGCTTGAATACATGATGATGATGATGATGATGATGATGAT 1260
Db 1201 CCATATTTGTGATCAAGCTTGAATACATGATGATGATGATGATGATGATGATGAT 1260
Qy 1261 AAATTAATCTCAAACTATGACAGGGAAGATTTATGAGGGTTTGAAGACGCTATTA 1320
Db 1261 AAATTAATCTCAAACTATGACAGGGAAGATTTATGAGGGTTTGAAGACGCTATTA 1320
Qy 1321 CCGATTCCTCTTAAAGAGATGCTATGATGATGATGATGATGATGATGATGATGAT 1380
Db 1321 CCGATTCCTCTTAAAGAGATGCTATGATGATGATGATGATGATGATGATGATGAT 1380
Qy 1381 TAAAGCCCTAGATGAGAGCTTCTGATGATGATGATGATGATGATGATGATGATGAT 1440
Db 1381 TAAAGCCCTAGATGAGAGCTTCTGATGATGATGATGATGATGATGATGATGATGAT 1440
Qy 1441 AGCACTGCGATCAAGCTGCCATGACCTGCTTCCAGCACTACTCTATGATGATGAT 1500
Db 1441 AGCACTGCGATCAAGCTGCCATGACCTGCTTCCAGCACTACTCTATGATGATGAT 1500
Qy 1501 TTGGGTTCCGCTGACCTGTGTGCAAGCTGATGATGATGATGATGATGATGATGATGAT 1560
Db 1501 TTGGGTTCCGCTGACCTGTGTGCAAGCTGATGATGATGATGATGATGATGATGATGAT 1560
Qy 1561 TTTCCTGTCAAAAATTTATATATAAAGTAGAAGATAGAAAAGGAAATAGATCTTCCAA 1620

Db 1561 TTTCCTGCAAAATTTATTAATACTAGAAAGATAGAAAAGAGGATATGATCTTTCCA 1620
Qy 1621 ATTCAAGAAAGACCTG 1636
Db 1621 ATTCAAGAAAGACCTG 1636

RESULT 12

US-10-173-694-521
/ Sequence 521, Application US/10173694
/ Publication No. US2003016107A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Chen, Jian
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Pan, James
/ APPLICANT: Smith, Victoria
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3430R1C19
/ CURRENT APPLICATION NUMBER: US/10/173,694
/ PRIOR FILING DATE: 2002-06-17
/ PRIOR Application removed - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 612
/ SEQ ID NO 521
/ LENGTH: 2974
/ TYPE: DNA
/ ORGANISM: Homo Sapien
US-10-173-694-521

Query Match 100.0%; Score 1636; DB 13; Length 2974;

Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 GATCAGTGTGTGAGGAACTGCATCATGAGCTGTGACAGTCAAGCTTTGGTATTTCTGC 60
Db 1 GATCAGTGTGTGAGGAACTGCATCATGAGCTGTGACAGTCAAGCTTTGGTATTTCTGC 60
Qy 61 TCCGTGAGCTCTTCTGTGTGGCTGTGTGATTTCTGTGGAAGTCTGTGTGGCCCTGTG 120
Db 61 TCCGTGAGCTCTTCTGTGTGGCTGTGTGATTTCTGTGGAAGTCTGTGTGGCCCTGTG 120
Qy 121 ACATGAGCCATTGGCTTAATGATGAGTCAATCTAGAAAGCTCATAGTAGAGGCCATG 180
Db 121 ACATGAGCCATTGGCTTAATGATGAGTCAATCTAGAAAGCTCATAGTAGAGGCCATG 180
Qy 181 AGGTAAAGATTTGACTCACTCAAGGCTTCGTTAATTTGACTACAGAAACCTTTGCAT 240
Db 181 AGGTAAAGATTTGACTCACTCAAGGCTTCGTTAATTTGACTACAGAAACCTTTGCAT 240
Qy 241 TGAATTTGAGTGTTCATATGCCAGAGACAGAACAGAAATGAAATATTTGTTG 300
Db 241 TGAATTTGAGTGTTCATATGCCAGAGACAGAACAGAAATGAAATATTTGTTG 300
Qy 301 ACTAGCTGATGATGCTTCCAGGCTTATCAACCTGGCAATCACTTAATAATTAATG 360
Db 301 ACTAGCTGATGATGCTTCCAGGCTTATCAACCTGGCAATCACTTAATAATTAATG 360
Qy 361 ATTTTGTGTAATAAGAACTTAATAATGATGTGTGAGAGCTTTATCTACATC 420
Db 361 ATTTTGTGTAATAAGAACTTAATAATGATGTGTGAGAGCTTTATCTACATC 420
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Db 421 AGAGCTTATGAAAGACTACAGAAACCACTACATGATGATGATGATGATGATGATG 480
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Db 481 TTCCCTGTGAGAGCTGATGCTGAGTGTCTGACATCCCTTTTGTCTCACACTTAGAA 540
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Db 541 TTTCGTAGAGGCAATATGAGCGAAGCTGTGGAACTTCCAGCTTCCATATG 600
Qy 601 TACCTGTGCTATGACAGACTACAGACAGATGACTTTTGTGGAAGATTAATAAT 660
Db 601 TACCTGTGCTATGACAGACTACAGACAGATGACTTTTGTGGAAGATTAATAAT 660
Qy 661 CAATGCTTCAAGTTTGTCCACTTCTGATTCAGGATTAAGCACTATTTTGGGAAG 720
Db 661 CAATGCTTCAAGTTTGTCCACTTCTGATTCAGGATTAAGCACTATTTTGGGAAG 720
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Db 721 AGTTTATAGTAAGGATTAAGAAAGCCCACTACATTAATGTGAGACTGTGGAAAGCTG 780
Qy 781 AGATATGCTAATATGAGCACTATTTGGATTTTGAATTTCTCAACATACCACTTAAT 840
Db 781 AGATATGCTAATATGAGCACTATTTGGATTTTGAATTTCTCAACATACCACTTAAT 840
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Db 841 TTGAGTTGTGAGAGATTTGCACTGTAACTGTCCAAAGCTTTGCTTAAGAAATGAAA 900
Qy 901 ATTTTGTCCAGAGTTCCAGGGAAGATGTATGTGTGTTTCTGTGGGATCACTGTTC 960
Db 901 ATTTTGTCCAGAGTTCCAGGGAAGATGTATGTGTGTTTCTGTGGGATCACTGTTC 960
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Db 961 AAATGTTCACAGAAAGGCTAATATCATTTGCTCAAGCTTGTCCAGATCCACAGA 1020
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Db 1021 AGGTGTATGAGAGTACAAAGGAAAAAACAATCCACATTAAGAGCCATATCCGCTGT 1080
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Db 1081 ATGATTTGATACCCCAAGATGATCTTCTGTGATCCCAAAACCAAGCTTTATCACTC 1140
Qy 1141 ATGTGGAATGAAATGGAATCTATGAAGCTATTTTCCATGTGGGCTCTATGTGGAGTT 1200
Db 1141 ATGTGGAATGAAATGGAATCTATGAAGCTATTTTCCATGTGGGCTCTATGTGGAGTT 1200
Qy 1201 CCAATTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1260
Db 1201 CCAATTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1260
Qy 1261 AAATAACTTCAAACTATGACAGGCAAGATTTACTGAGGCTTTGAGAAAGTCAATTA 1320
Db 1261 AAATAACTTCAAACTATGACAGGCAAGATTTACTGAGGCTTTGAGAAAGTCAATTA 1320
Qy 1321 CCGATTTCTCTTATTAAGGAATGCTATGATGATTAAGAAATTCACATGATCAACTG 1380
Db 1321 CCGATTTCTCTTATTAAGGAATGCTATGATGATTAAGAAATTCACATGATCAACTG 1380
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Db 1381 TGAAGCCCTTATGATGAGAGCTTCTGTGATGAGTGTGATGATGATGATGATGATG 1440
Qy 1441 AGCAGCTGAGATCAGCTGCCATGACCTGATGCTTCCAGAGCTATCTATAGATGTA 1500
Db 1441 AGCAGCTGAGATCAGCTGCCATGACCTGATGCTTCCAGAGCTATCTATAGATGTA 1500
Qy 1501 TTGGGTTCTGCTGACCTGTGTGGCACTGTATATTTCTTTTCAAAAATGTTTTTAT 1560
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCACTGTATATTTCTTTTCAAAAATGTTTTTAT 1560
Qy 1561 TTTCCTGTCAAAATTTAATAAAGTAAAGATGAAAGGGAATGATCTTTCCA 1620

Db	1561	TTTCCTGTCTCAAAATTATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTCCAA	1620
Qy	1621	ATTCAGAAAGACCTG	1636
Db	1621	ATTCAGAAAGACCTG	1636

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Job time : 531.905 secs

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